UPDATED REPEATER INDEXES — NC, SC, VA, WV, TN, KY, GA, MS INSIDE!

REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

February
1990
2.50

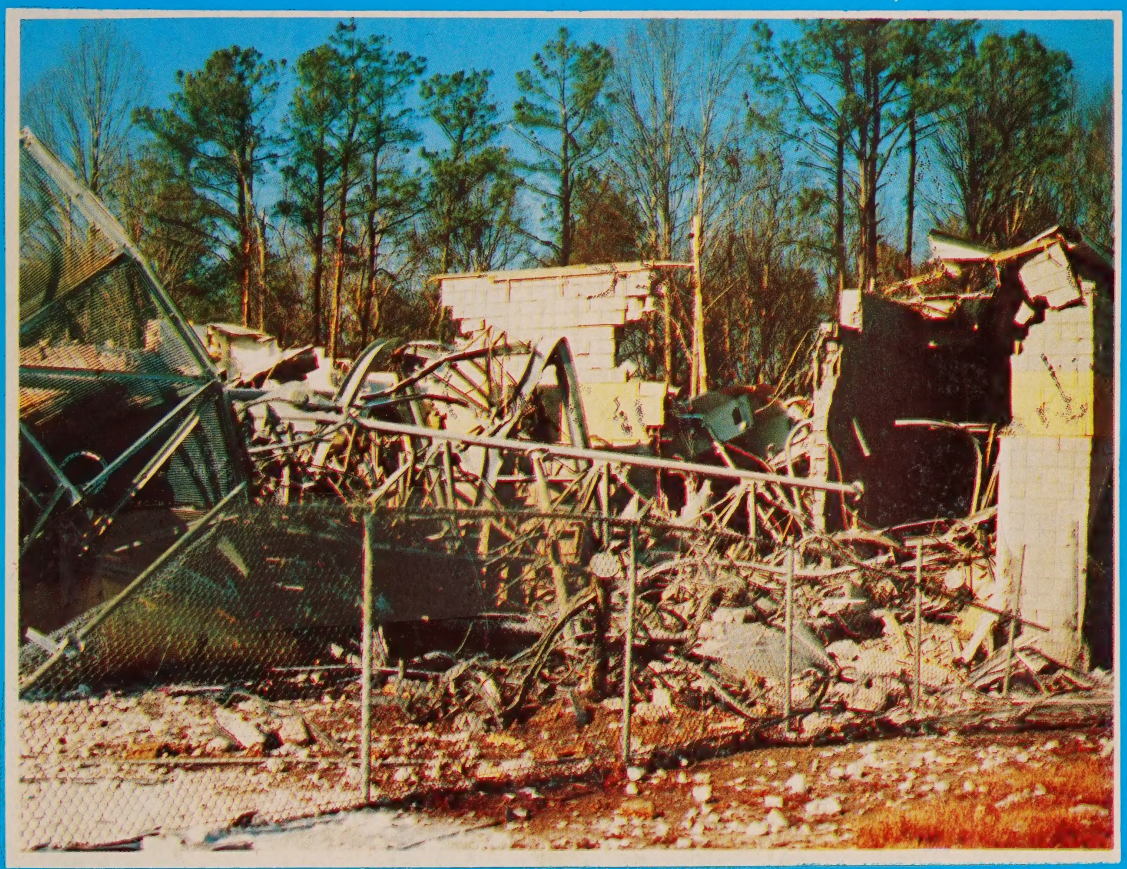
2,000 Ft. Towers

See Our Cover Story Inside!

They Weren't Supposed To Come Down. . .

Plus. . .

- 1990 Hamfest Calendar
- Updated Repeater Index
- VE Exam Schedules
- Much More. . . . .



Representing Coordination and VHF/UHF Interests Throughout North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi.

ALINCO ELECTRONICS

The Magnificent Six Gives You More Power

DR-570T

Set your sights for dual!

The Alinco DR-570T "Twin Bander" has dual LCD readout, volume, squelch and tuning controls. Double barrelled power with 45W on 2M and 35W on 70 cm, plus simultaneous receive on both bands or intermix with four modes of scan. The DR-570T will win the "battle" with its illuminated front function panel and LCD readout, readable in any lighting conditions. Don't let the "Tiny" DR-570T fool you! It's fast, and leaves the competition in the dust with many standard features you expect. Cross band repeat with the flick of a switch. Full duplex, 20 memory channels, call channels, 16-key DTMF Microphone, and subtones are just a few. "Reach" for the DR-570T today!

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Power-Packed Dual Handi!

20 Memory channels, subtones, built-in DC to DC, 700 mah nicad battery, LCD readout with 6W on 2M and 5W on 70 cm (with optional battery) call channels, DTMF Touchtone, and direct keyboard entry, are just the few winning features of the Alinco DJ-500T Dual Band Handheld. Easy to use, and Value Priced at your Alinco Dealer.

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Tiny 2M Power From Alinco!

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Best 2M Micro Value Anywhere!

The Alinco DJ-100T is "Magnificent" for its tiny size, but stands up to the competition with power and capability. 10 memory channels store offsets and subtones. Has LCD readout with call channel and reverse at your fingertips. 500 mah battery with direct DC to DC is standard. 3W on standard battery, 6W on optional battery leaves the competition in the dust! DJ-200T for 220 MHz.

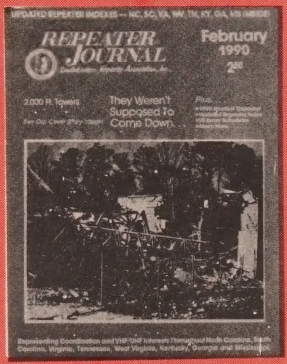
DJ-160T&DJ-460T

2M H/T is here! And wow!

"Bells & Whistles" is a tame word to use for the new DJ-160T, newest "Magnificent" one from Alinco. Keyboard entry is just one of four ways to enter a frequency in the extended receiver (137-173.995 Mhz) of the DJ-160T. You can store duplex/simplex pairs in any of 20 Memories, or Call Channel, with offsets, and any of 38 encoding subtones. Choose one of 3 scan modes, "Band" "Program" or "Memory" and one of five step ranges in VFO. Priority mode can be used in VFO, Memory or Call. "Dual Watch" allows the DJ-160T to scan 3 seconds alternately on CALL, VFO or one MEMORY. "Pager" is for group or single person alert. Other features include: Auto "Battery Save", Auto "Power Off", and 2-Memory Autodialer. Get 3-watts on standard 700 mah battery, or increased power from built-in DC to DC, or optional 12V battery. The Alinco DJ-160T, now the "Top Gun" with the competition today! DJ-460T for 70cm.

ALINCO ELECTRONICS, INC.
20705 S. WESTERN AVE., SUITE 104, TORRANCE, CALIFORNIA 90501
TEL: (213) 618-8616 • FAX: (213) 618-8758

ON THE COVER



There's not much left of the WPTF-TV Raleigh, N.C. transmitter building. It was demolished when their 2,000 foot tower came down. The same morning the nearby WRAL-TV 2,000 foot tower also came down. An enormous buildup of ice was blamed. Aside from the two TV Stations, 4 Amateur repeaters and over 50 Commercial and Public Service repeaters were demolished as they fell with the two towers. . . that weren't supposed to fall. — Color Photo Clsy of Mike Bezera, WB4TQD.

Journal Staff

EDITOR & PUBLISHER
Wayne C. Williams, K4MOB
600 Lakedale Road
Colfax, N.C. 27235
(919) 993-5881

CONTRIBUTING EDITORS
Mary Weddle, WC4T
Clyde Weddle, KF4WY
227 Bennett Lane
Charlotte, N.C. 28213
(704) 596-2168

TECHNICAL EDITOR
Herman Cone, WB4DBB
305 Foxwood Lane
Goode, Va. 24556
(703) 586-5643

ADVERTISING DIRECTOR
Sharon Ward
P.O. Box 215
Tobaccoville, NC 27050
(919) 983-0879

JOURNAL PRODUCTION

Typesetting and
Printing by: Commercial
Printing, Kernersville, N.C.

Camera Graphics through:
Piedmont Pub. Co., W.S.

Layout Pasteup, Design
Wayne C. Williams, K4MOB

Computer Operation by:
David Ward, KA4LVO
Lindsay Cleveland, W4IZI

Other Journal Assistance:

Tom Gallagher, N4IOZ
David Ward, KA4LVO
Alton Ward, KB4EP

REPEATER JOURNAL

· SouthEastern Repeater Association, Inc.

Feb., Mar., Apr. 1990
Volume 19, No. 1
ORGANIZED IN 1971
"In Our 19th Year"

Editorial Comment

Letter to Mississippi & Kentucky Repeater Owners

First the Process. . . How it Worked to Get You In!

We're very proud to have you as a part of our organization. I am certain we both shall benefit from this new endeavor.

The process took a long time, but finally, both of you new states have become part of SERA as you requested.

The process began early last year for both of you. Larry Malone, KC4TX, the individual coordinator for Western Kentucky, and Steve Grantham, N5DWU, individual coordinator for Mississippi contacted SERA for information. They were both mailed packets containing SERA Bylaws, Coordination Policies, a brief history of the organization, and an outline of how the organization worked.

Later, both states' repeater owners were polled with a letter, outlining SERA and how it worked, and a petition to sign, stating whether you as a repeater owner wished to have SERA as your official coordinator, or whether you preferred to remain as you were with a lone coordinator. You were also given an option of joining SERA as a Full Member repeater. After a few months, the results were in; both Western Kentucky and Mississippi repeater owners responded overwhelmingly to recommend joining with SERA.

At this point, petitions were presented to the SERA Board, along with a minimum of 10 Full Member repeater owners by both Grantham and Malone, representing their respective States.

In August 1989, the SERA Board, was presented the petitions, and after hearing reports from West Kentucky, and from Mississippi, voted unanimously to accept the two States as Districts of SERA.

The new organizational structure took effect immediately, Grantham was named interim Coordinator (Director) for Mississippi, and Malone was named Vice-Director for the newly formed District of Kentucky. (Eastern Kentucky was already a part of SERA with Terry Estes, WB4ASZ as Director.) Estes assumed the Director post for the entire state.

Both new coordinators were given stacks of forms, copies of coordination policies and Bylaws of SERA. A supply of envelopes, letterheads and other materials were given to them. Their telephone and postage expenses were to now be presented to the SERA Treasurer for reimbursement.

Within a week, all known repeaters in both states were on the SERA master computer database, and printouts were sent immediately to the new Directors and Vice-Directors, along with repeater printouts of all other repeaters within SERA, a total of 8 States of listings.

In late November, a cover letter, and a SERA repeater datasheet for repeaters were mailed to each repeater owner for corrections or changes. Repeater owners were offered a chance to join SERA if they wished, although it was not required.

As the datasheets were returned, they were updated in the SERA computer, and by the end of January, a corrected list as we received them was presented to the ARRL for the 1990 ARRL Repeater Directory.

In late December, Jim Akers, W5VZF of Starkville was appointed as Mississippi Vice Director. He and Grantham will split the coordinating chores in the state.

What Part Does SERA Play In Your State?

The SERA umbrella, which now covers Kentucky and Mississippi gives the coordinators a wealth of information at their fingertips. They have ready-made forms to quickly send prospective new repeater owners for coordination. The expense of mailing and telephone is taken care of. The Directors (coordinators) have 19 years of experience from the SERA board, in case of tough decisions or questions. Your coordinator is no longer alone, doing a job by himself at his own expense. He has advice, help and support at his fingertips, just a letter or phone call away if he needs it. He has a magnificent vehicle in the Repeater Journal to pass information to repeater owners and users in his state. And most of all, your coordinator now can be more visible and carry on the job you expect of him much easier.

Who Runs SERA?

Your local State Director and Vice Director elected by your State's Member repeaters,

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REPEATER JOURNAL

Feb., Mar., Apr. 1990

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Give a Gift of News & Information! Give an Associate Membership to your best friend and let him join the many Repeater Journal readers. Fill out the Application on Page 22 with his call, name and address and send it to us with $6.

About Associate Membership

Repeater users and Amateurs are invited to join SERA as Associate Members. A membership fee of $6.00 per year will enable members to support the organization and receive the "Repeater Journal". Associate Membership deadlines are on the 15th of the month preceding months of publication — Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Winston-Salem Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive next to be published Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships are limited to one year duration at $10.50 per year. HOT-P, your Journal is mailed on Friday FIRST CLASS mail. Regular memberships are mailed on MONDAY, Third Class Bulk. SERA does not issue receipts for Membership applications Members should wait until next Journal comes out to report any problems to the Associate Membership Chairman, P.O. Box 215, Tobaccoville, N.C. 27050-0215. Associate Members may hold appointive positions within SERA.

About Full Repeater Membership. . .

Officers and Directors are elected from repeater representatives who are Full Members. Any repeater owner or club may join SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members receive the Journal from each application. The Full Member repeater is also appropriately recognized as a SERA supporter in the repeater index. Full Memberships all expire on December 31 of each calendar year.

About the Repeater Journal. . .

The SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of Southeastern Repeater Association, a seven state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month. ONE MONTH prior to publication. News deadlines are the first of the month prior to publication month. The REPEATER JOURNAL is entered as Third Class Mail at the Post Office in Greensboro, N.C. Cover price for the REPEATER JOURNAL is $2.50. All news and Newsletter exchanges should be mailed to the editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C 27235.

Officers And Committee

PRESIDENT
A. Carter Cogle, K4ARO
1667 Varina Avenue
Petersburg, Va. 23805
(804) 733-8411

VICE-PRESIDENT
Nita Wofford, N4DON
2966 Cordell
Memphis, Tn. 38118
(901) 363-4971

TREASURER
Raymond K. Adams, N4BAQ
5833 Clinton Hwy., Suite 203
Knoxville, Tenn. 37912
(615) 687-5410 Home
(615) 688-7771 Office

SECRETARY
Barbarra Gregory, WA4RMC
8619 Smokerise Lane
Chattanooga, Tenn. 37421
(615) 892-8889

FULL & ASSOCIATE MEMBERSHIP
MEMBERSHIP CHAIRMAN
COMPUTER RECORDS MGR.
David Ward, KA4LVO
P.O. Box 215
Tobaccoville, NC 27050
(919) 983-0879
(Leave Message on Recorder)

ASSOC. MBR. ASSISTANT
Lindsay Cleveland, W4IZI
P.O. Box 1140
Duluth, Ga. 30136
(404) 623-0358 Home
(404) 497-1902 Office

TECHNICAL ADVISOR
Danny Hampton, KM4OX
P.O. Box 272
Garner, N.C. 27529
(919) 832-8733

FCC LIASON CHAIRMAN
Rose Bond, FCC
1365 Peachtree St., NE, Rm. 404
Atlanta, Ga. 30309
(404) 881-2631

The Southeastern Repeater Association, Inc. is one of the largest, well known, and most respected non-profit Repeater Coordination Councils in the United States. SERA territory covers over 1,300 repeaters in member States of North Carolina, South Carolina, Virginia, Tennessee, West Virginia, Kentucky, Georgia and Mississippi. In our 19th year, our goal continues to serve the repeater owners and users of our area, and provide a pleasant operating condition in the VHF/UHF spectrum of Amateur Radio through Coordination and Communication.

December Ice Storm Knocks Out 4 Ham Repeaters

— by Mike Bezera, WB4TQD

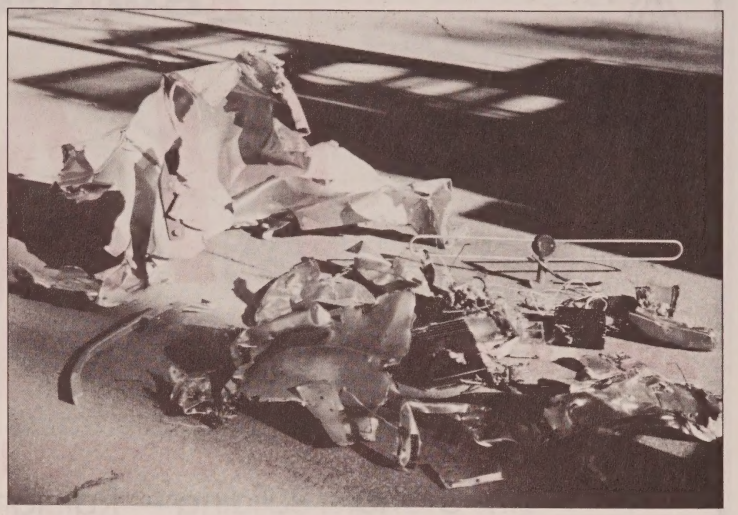
The ice storm that settled on North Carolina on December 8th and 9th caused the 2000 foot television towers of WRAL-TV 5 and WPTF-TV 28 to collapse on the morning of December 10. The WPTF tower was the home of the 147.27 AK4H repeater and the WRAL tower was the home of the 145.27 N4BEA repeater, the 146.88 WB4TQD repeater and the 440 Mhz WB4TQD PCRN (Piedmont Coastal Repeater Network) backbone repeater.

The ice storm left ice over a foot thick on the upper two-thirds of the towers and was estimated to weigh over a million pounds. The WPTF tower fell around 8:30 on Sunday morning and the WRAL tower about 45 minutes later.

The collapse of the two towers turned many years of hard work by the local amateurs who helped to build the repeaters into scrap metal in seconds. All four repeaters were total losses, with no usable remains found. Of the 146.88 repeater, only about 10 percent of the equipment has been located, which was scattered over several acres of woods.

The 146.88 repeater and its associated 440 Mhz linking repeater are in the process of being rebuilt. The North Carolina Dept. of Emergency Management has donated some General Electric equipment to assist in the recovery effort.

WRAL and WPTF are now planning to build a new 2000 foot tower together to replace the two fallen towers. However, the new tower will not be available to amateurs until sometime in 1991. In light of this, the 146.88 repeater and the PCRN backbone repeater will be temporarily located on the WKFT-TV tower near Sanford, NC. The PCRN will have to spend approximately $6000 (the normal rent for the tower space is $1300 a MONTH) to get a permanent space on the tower.



This is all that is left of the Raleigh 28-88 Repeater and the PCRN main 450 Backbone repeater. Just a few scraps of the cabinet, some meters, and strands of wire are all that remain after the system fell and was then crushed by the WRAL 2,000 foot tower as it came crashing down. A money campaign is underway by for the PCRN to restore the system. They need your help! If your are a member, or would like to assist in restoring the statewide North Carolina linking system, send your check made out to PCRN and mail to P.O. Box 12734, Raleigh, N.C. 27605

Repeaters That Go Up May Come Crashing Down

— by Bill Lambert, AK4H

On Sunday, December 10, I was watching the same NBC news program I usually watch every Sunday morning on WPTF TV. At about 8:45 AM or so, suddenly the picture left leaving nothing but snow on the screen and noise from the speaker. Picking up my trusty handheld I tried kerchunking the 27 repeater to see whether or not there was a power failure or WPTF's transmitter had crapped out. Since the repeater did not come back and since it was located on WPTF's tower and was on the same power source, I assumed that the power was off. After a minute or so I wondered why the big diesel back-up generator had not kicked in so I kept watching the snow and listening for the repeater to come back on, indicating that either the generator finally started or else the power was back. Fifteen minutes later I received a phone call advising me that WPTF's tower had collapsed, apparently from ice accumulation.

That phone call stunned me for a moment as I could not believe that such a catastrophe could occur. Our new repeater had only been up three short months, and while our loss was nothing compared to that of WPTF and all the commercial customers on the same tower, the reality of losing a year's worth of planning and work and thousands of dollars in a few short seconds without a dime of insurance was quite a blow.

The AK4H 147.87/27 repeater was owned by Benson Repeater Association, Inc. and supported by the Johnston Amateur Radio Society, Inc. The equipment was new, having been placed in service full time on August 29, 1989, the same day it was installed on the 900 foot platform on WPTF's 2000 foot tower. The repeater equipment consisted of a General Electric Mastr II, S-Com 5K controller. Hamtronics 220 Mhz control receiver, Wacom WP-641 Duplexer, Decibel Products DB-224E exposed dipole array, Cushcraft 220 yagi, and a 400 lb. stoplight control box container that housed the repeater.

Driving through the ice to get to the site to see if anything could survive a 900 foot fall I noticed that in the distance, WRAL and WTVD's towers were the only two towers still standing. (WRAL, WTVD, and WPTF, all 2000 foot towers, were all located in a triangle all about a mile apart.) Going through the twists and turns in the road I lost sight of the towers for a while. The next time I saw the towers only one was standing. The WRAL tower which held the 146.88 and 145.27 repeaters had come down. The odds of two 2000 foot towers a mile apart collapsing less than an hour apart is astronomical.

Upon arriving at the WPTF site it looked as if the whole area had been leveled by a bomb. The huge tower, twisted and bent like a pretzel, apparently came straight down and separated into three pieces. Guy cables the size of your arm were pulled apart and laying on the ground like giant springs. Our repeater container was found about 300 feet from the tower base and had to be retrieved from under the destruction with a bulldozer and a backhoe. When the container was lifted it sounded like a big box with broken light bulbs inside. The container, smashed to half its original thickness, had to have its door pulled open with the bulldozer and backhoe. Everything inside was demolished. The only item saved was a $75 Advanced Receiver Research GAsFET preamp. The BNC connector was ripped out, but the rest of the preamp was scratched but intact.

We now have our old GE Mastr Pro repeater back on at our old site with the antenna at 200 feet. Believe it or not, I replaced the BNC connector on the preamp that was in the fall, and it is working just fine right now on our old machine.

We hope to go back up again when the tower is rebuilt but that is probably more than a year away. We had intended to put insurance on the repeater but the new equipment and the installation had drained our money, and lightning season was about over. We certainly were not worried that someone could steal a 600 pound box at 900 feet, and who would have even thought about the tower collapsing. If your machine is not insured it could happen to you. Don't put the insurance off!

RALEIGH AMATEUR

18th ANNUAL

HAMF & COMPUTERFAIR

Hours: 8 AM-4 PM
Main Drawing: 3 PM

APRIL 8, 1990

N.C. STATE FAIRGROUND

Jim Graham Building — Raleigh, N.C.

★ HAMFEST SOCIAL SATURDAY NIGHT

A Free Welcoming Party will be held from 7 to 9:15pm in the Holshouser Bldg., a short walk from the Hamfest Bldg, Saturday night, April 7, with Food, Drinks and Prizes for those present.

In conjunction with the NCS ARRL Convention a Wouff Hong Ceremony will take place in the Hamfest Building Meeting Room #1, at 9:30pm, after the Welcoming Party Saturday night.

★ AMATEUR RADIO EXAMS

By Pre-registration until April 2. Send completed FORM 610, photocopy of your current license, code/theory certificates (CSCEs), if applicable; indicate the highest class of license you desire to be tested for, and a check or money order for $4.95 Payable to "R.A.R.S. - VE" to:

Vince Yakamavich, AA4MY
220 Carriage Trail
Raleigh, NC 27614

Tel. (919) 847-8512 (EXAM INFO ONLY, PLS)

NEW THIS YEAR, the exams will be held in the Holshouser Building, a single story, round building, a short walk North of the Hamfest Bldg., starting PROMPTLY at 11am. Please bring your Original Current License and a form of photo ID such a student ID or a Driver's License, etc.

★ SPECIAL INTEREST MEETINGS

ARRL FORUM - SPECIAL GUESTS
- Rick Palm, K1CE, ARRL HQS Manager, Field Services Division
- John Kanode, N4MM, Dir., ARRL Roanoke Div.
- Jimmie Walker, WD4KLZ, Vice Dir. Roa. Div.
- Reid Whitten, AB4W, Section Mgr, NC
- Other Roanoke Div. Field Staff

O.C.W.A., NAVY MARS, NTS, ARES, & other Mtgs. Times will be announced at the Hamfest.

PRIZES PRIZES PRIZES

1st Choice: ICOM IC 751A HF Transceiver with matching power supply.

OR

ICOM IC 275H VHF Multi - Mode 2M 100 Wt. Transceiver with matching power supply.

2nd Prize: ICOM IC 2400A 144/440 Mhz 35 watt FM Transceiver.

3rd Prize: ICOM IC 32T 144/440 Mhz 2 Meter Handheld

Several other quality prizes will be awarded during the day for which you will have to be present to win !!

★CW Contest With Prizes

★Homebrew Contest With Prizes

★ FLEA MARKET INFORMATION

Regular Fleamarket space: (1 8 ft. table, 2 chairs) $8.00: 5 or more tables, $7.00 each. with 110vac: $10.00 per vendor. Please preregister for booths, tables and 110vac power by April 2, 1990. Dealer /Vendor Set-up Saturday, 4-10 pm; Sunday, 6-7:50am. Armed Security in bldg at all times.

ALL VEHICLES must vacate the building by 7:50am. Please bring your own handcart.

RADIO SOCIETY'S

EST

VENDOR INFO: Rollin Ransom, NF4P
(919) 269-4406

GENERAL INFO: RARS Hamfest
P.O. Box 17124
Raleigh, N.C. 27619

SPECIAL SERVICE CLUB

SOUTHEASTERN REPEATER ASSOCIATION SERA MEMBER

TALK-IN
RARS Members will Monitor 146.04/64 and 147.75/15 to assist you in finding location.

NC ARRL STATE CONVENTION

The Raleigh Amateur Radio Society welcomes you to it's Eighteenth Annual Hamfest. We will be sharing the NCS Fairgrounds with other events that will be going on at the same time so lease follow the traffic and parking instructions while on the grounds.

If you desire either full hookup or overnight camper/RV parking, please check the box on the Preregistration Form. A $10.00 per night fee will be collected on site by the Fairgrounds Authorities.

VENDOR INFORMATION

- If you want reasonably priced booth(s), multiple tables, 110vac power or have other questions, etc., Please write or call Rollin Ransom, NF4P, at the number or address on the flyer.

- NO FOOD, DRINK or WEAPONS may be sold or donated by attendees in the Hamfest Bldg at any time by NCS Fairgrounds Regulations.
- Full service food concession inside the Hamfest Building.
- Drive in and unload at your table(s) 12N to 10pm, Saturday and Sunday, 6 to 7:50am. Please bring your own cart.
- Don't forget the Saturday night Hospitality Party, 7 - 9pm.

Several motels and resturants are located on Route 70W West of the Raleigh Beltline. Comments about the hamfest are welcomed by RARS. Members will be wearing yellow and blue armbands in case you need assistance.

PRE-REGISTRATION PRIZE
AEA PK-232MBX
Multi Mode Controller.

Pre-Registration Drawing at 10 a.m. Sunday, April 8. You DO NOT need to be present to win!

____ Reg. Tickets @ $4.00 $ _____
____ Tables 1-4 @ $8.00 $ _____
____ Tables 5-Plus @ $7.00 $ _____

Total Enclosed . . . . . $ _____

Space for Camper/RV Yes ( )

RARS HAMFEST PRE-REGISTRATION FORM

Mail form and check to:
ROLLIN RANSOM, NF4P
RT. 5, BOX 267
ZEBULON, N.C. 27597

PRE-REGISTRATION CUTOFF DATE: APRIL 2, 1990

Make Checks Payable To R.A.R.S.

Please Print Clearly, Include SASE

NAME _____ CALL _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

The Repeater Journal Presents

SERA and Amateur Radio A Decade In Review. . . .

1981 1983 1985 1987 1988
1982 1984 1986 1989

1980 to 1990, Deregulation, Coordination, Communication

It has been an interesting decade! We've seen lots of de-regulation, change in the makeup of Amateur Radio testing, the rules, coordination, and technology. We're all a bit wiser, and a little older, but when we look back over the past 10 years, we are quite astonished at what has happened in Amateur Radio. Journey back with us. . . through the pages of the Repeater Journal, and let's briefly review what has happened.

— by Wayne C. Williams, Editor/Publisher

I was very optimistic as I wrote in 1980. I said "Some years from now, we'll look back on 1980 as a milestone for CVRA. This is the year the organization will probably double in size."

I wasn't quite right; it took a little longer, but since 1980, we have almost tripled in size. In 1980, CVRA (Carolinas-Virginia Repeater Association, Inc.) was 9 years old. Our Districts were as the name indicated: North Carolina, South Carolina and Virginia.

But in 1980, and soon after, something wonderful was to happen. CVRA was to grow, like Amateur Radio and repeaters were growing, our name would change, faces would change, and hundreds of new repeaters would come under the umbrella of our coordination organization.

The Repeater Journal was a "little" book, measuring 7x8 inches. The repeater index took slightly over 3 pages.

Much Growth In 1980

1980 The big news of the year was the announcement of two new districts joining CVRA. West Virginia and Tennessee came in and immediately made CVRA almost twice as big. In late 1980, our name was changed to CVRA-Southeastern Repeater Assn., Inc. (CVRA-SERA).

CVRA finally announced the availability of the "CVRA Decal" after several years in the works.

The Repeater Journal Calendar listed 21 Hamfests for the coming year. CVRA Full Membership stood at 175, representing 230 repeaters.

In FCC News. . . The FCC announced they would be at the Charlotte Hamfest to give exams. Due to lack of funds, the Commission had previously announced discontinuing the practice.

The CVRA News Net scored big by announcing final results of the WARC-79 (World Administrative Radio Conference) as it wrapped up in Geneva. The news net had final results of what frequencies and bands Amateur radio had gained from the conference in less than 8 hours.

North Carolina received its 3rd 2,000 foot TV tower near Greensboro. The others were near Raleigh and Grifton. Amateur repeaters were naturally installed on all of them. Other tower news. . . a small plane rammed the 1,200 ft. tower near Wilmington and everything came down with a horrendous crash.

Gay Milius, Jr. W4UG and John Kanode, N4MM were elected new Roanoke Division ARRL Directors. Phil Wicker, W4ACY retired from the post he had held since 1974.

The W4/K4/N4 QSL bureau was moved from Boyce, Va. to Charlotte, N.C.

Highlights of 1981

1981 Actually 1981 proved to be a very quiet year. Amateur repeaters grew at a modest rate, but the best news of the year was really no news from the FCC, especially since most of what we had gotten in those days was bad news, as deregulation was beginning to emerge.

The Repeater Index in the Journal had grown to over 7 pages. The Repeater Journal also won "Outstanding" for its third year in a row from the Publications contest of Amateur Radio News Service.

South Carolina got its first "tall tower" repeater near Dillon. The 145-745 machine became popular far and wide almost immediately.

World's Fair at Knoxville — 1982

1982 The highlight of the year for the Repeater Journal, Amateur radio and the general public was the World's Fair in Knoxville, Tn. Even though many thought the "re-build" of Knoxville's highways and the major construction would never be finished in time, it was and the event happened. North Carolina had a landslide on I-40 in the Smokey Mountain area which completely blocked the highway for several months, and finally opened again partially in time for World's Fair traffic into Tennessee. The Repeater Journal featured a World's Fair section in its May issue that year.

The biggest news for CVRA-SERA was "Tax Exempt Status." The new treasurer of the organization, Ray Adams, N4BAQ, pulled off in just a few months work, what had been impossible for 10 years. Our organization was now tax exempt with the IRS under section 501(c)(3). Adams' guidance into this status and the resulting stories written and published in the Journal, enabled many other ham clubs to obtain tax exempt status for the first time.

In FCC news. . . Docket 21135 Amateur Licensing and Call Sign Assignment System was approved. For the first time, distinctive call signs, relating to operator class license were being issued. The last 2x3 "WD" calls which had followed "WA" and "WB" would no longer be issued. Instead distinctive 2x1 calls for Extra, 2x2 for Advanced, 1x3 "N" calls for Tech and General, and 2x3 "KA" calls for Novice would be issued for the future.

Ted Wolfe, WD4KHL began his well-known column "West Virginia Notes" in the Repeater Journal.

1982 was the year that Atari made the big splash into computers, after much success in their "made-for-TV" games.

The 1982 Journal hamfest calendar contained 44 show listings.

"Monitoring Times" a SWL and scanner oriented national magazine was first published in the early part of 1982.

1983 — The Amateur Computer Age

1983 History was made in late 1983 when astronaut Owen Garriott, W5LFL made his historic broadcasts to Amateur operators around the world aboard the spacecraft Columbia. Hundreds of reports from our areas came in that he was heard. At the right time, the transmissions from STS-9 could be picked up with a 2-Meter handheld.

Drastic changes occurred in the February issue of the Repeater Journal. No more was the little 7x8-inch book. The "New" Repeater Journal joined the ranks of the elite "big boys" with a new 3-column 8-1/2x11 inch format.

With the new larger pages, the repeater index still took six full pages in 1983, containing over 600 repeaters in the 5 states.

With the advent of the Commodore and Atari computers, Amateurs began using computers on the air for RTTY and CW. This was the beginning! All of a sudden, hamfests began advertising "Computer Shows" with the Hamfest ads.

The mountain areas received their worst ice storm in 26 years as many repeaters, TV Stations and commercial stations were crippled by ice build-up.

The August 1983 Repeater Journal featured one of its first in depth "special sections." Several pages were devoted to "ARRL — The Best Thing Going For us!" Historical photographs were reproduced with many stories by league officials, including Vic Clark, W4KFC, Gay Milius, Jr. W4UG, Steve Kercel, AA4AK, John Kanode, N4MM and others.

In FCC news. . . "No Code" sprang up as Amateurs began lining up in ranks "for" and "against."

The year ended on a sad note. Vic Clark, W4KFC, a very popular President of the ARRL, and former Roanoke Division Director, died of a heart attack. Vic was gone, but his work and his memory was to linger on for many years. . . .

1984 — The Year of Storms

1984 Top news for 1984 was the devastation caused across South and North Carolina one evening in March by 33 tornadoes. The May Repeater Journal did a good job with complete coverage of Amateur participation. In all 57 persons were killed, 1,240 hospitalized, 743 single family dwellings destroyed and 615 with major damage and 1,448 with minor damage.

In September, Hurricane Diana swept across the Carolinas coast wreaking havoc and destruction. Once again, Amateurs played a major role in providing communications.

Early in the year, CVRA-SERA amended its Coordination Policy to correspond with new FCC guidelines.

The happy news for many in 1984 was the death of the proposed "no code" license. The FCC killed the entire proposal. The no-code proposal had begun with Docket 20282 in 1974 and had hung over the Ham community for almost 10 years.

The word VEC became common language to the Amateur vocabulary as the FCC initiated their Volunteer Examiner Program. This new system had qualified Amateurs giving Amateur exams. The FCC

Continued On Next Page

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was phasing out their practice of giving examinations at field offices, which had dwindled to only quarterly. On May 11th, an agreement was signed with the Western Carolina ARS by the FCC, allowing them to become a "Volunteer Examiner Coordinator" (VEC) for the 4th call District. The first WCARS-VEC exams were given June 16th at the Atlanta Hamfestival. Over 400 exams were administered at the show. On June 8th, W5YI was accredited VEC for all 13 call districts. ARRL became accredited for all 13 districts in late July. Numerous other VECs were accredited for individual call areas.

The Journal covered another historical event in May, when Jay Paulovicks, KD8GL of Sherrard, WV, running 300 milliwatts on his 2M h/t made contact with Karen Henderson, KB6DQQ of Los Angeles, operating with a 1-watt h/t.

The amazing feat was done through a "gateway system" devised and built by members of the Triple States ARC. The system was a 2-meter repeater fed into OSCAR 10, and downlinked to another Satellite system feeding a 2-Meter repeater in California.

1985 — More CVRA-SERA Growth

1985 CVRA-SERA grew more in 1985. On May 1, Eastern Kentucky was taken in as our 6th District. Only the Eastern half of the State was with us. The Western half, separated from the East by huge mountainous terrain had their own coordination system.

On September 5, Georgia became the 7th CVRA-SERA State. Total CVRA-SERA repeaters now almost reached 1,000.

Another new term, "Packet," became part of Amateur radio, as the new mode of computerized communications started growing like wildfire. The May Journal presented a special section on Packet and Digipeaters.

The CVRA-SERA News net celebrated its 450th session on May 8th. The net was originally started in the late seventies as a source of news and information for Amateur Radio operators. A total of 17 repeaters in 5 states were currently carrying the Wednesday night news net.

Once again, parts of the coast of North Carolina were devastated by a "killer" Hurricane. "Gloria" put well experienced Amateurs to work with emergency communications once again, as the storm came up the East coast, hitting the outer banks, barrier islands, and tips of the State.

1986 — FCC Makes Changes

1986 One of the two top stories of the year was Docket 85-22. The FCC spelled out what it expected as far as Coordination Councils and repeaters are concerned. The Commission defined the responsibility of interference, and although they did not come out and say that repeaters must be coordinated, they did say that in cases of interference, the uncoordinated repeater generally bears the primary responsibility for solving the problem.

Secondly, the FCC announced a proposed Novice Enhancement proposal, what was believed to be the "salvation of Amateur Radio." Novices were to be given 10-meter and 220 privileges, and everyone expected this to greatly swell the Amateur ranks, since the Novice class would now have something desirable.

At the first of the year, at the CVRA-SERA Board Meeting, the FCC was present and offered assistance in the working out of a new coordination policy in respect to the FCC views of Docket 85-22.

A Delegation from Alabama also presented a petition to the Board requesting that State be admitted into CVRA-SERA. As it turned out, later, the Alabama Repeater Council was re-organized and they worked things out to maintain their own coordination.

In August, CVRA-SERA announced a dues increase. $6.00 for Associate Membership and $15.00 for Repeater Full Membership would be required for all future members.

The November Repeater Journal became "colorful!" For the first time, the covers of the Journal were printed in Full Color.

1987 — Novice Enhancement

1987 In January, the FCC made it official! Novices could now work portions of 10-Meters and 220 Mhz. There were praises, and statements that this would be the salvation of Amateur Radio. Now, with a desirable Novice operating license, many more people would join the Amateur ranks. There was a rush of license exams given just before new Novice examinations came out. But, alas, it was later to be determined that Novice Enhancement didn't work.

The FCC also lowered the boom with another Docket, 87-14, the 220 Mhz. give-a-way. The docket sought to take the lower 2 mhz. of the 220-225 Mhz. band and give it to Commercial interests.

Dan Britt, K4URK, well-known Georgia Amateur, and Ham Radio businessman for many years, died in April. Also, Joe Edwards, W4EL, 77 of Durham, N.C. died in April. Joe was known far and wide and was first licensed in 1925.

In August the Board agreed to drop the letters "CVRA" from the organization's name. The Southeastern Repeater Association, Inc., would now use only SERA.

The Board also added more frequencies for digital use. Aside from 145.01, 03, 05, 07 and 09 on 2-Meters, additional simplex frequencies of 145.61, 63, 65, 67 and 69 were added. Two more simplex frequencies were added to 220 Mhz. They were 223.42 and 223.58 to allow Novices access to digital channels. In addition, two high speed 100 khz channels were assigned: 220.90-221.00 and 221.00-221.10.

1988 — 220 Mhz. Loses

1988 A 2nd computer was added for the SERA data-base. It was placed at the home of the Repeater Journal editor and will be used for entry of repeater data, and backup for the master system.

SERA sent all the repeater changes to ARRL for the new National Repeater Directory via computer and modem for the first time. David Ward, KA4LVO said the transfer went without a hitch and took about 20 minutes. Previously approximately 9 hours were spent on the phone, passing changes to the ARRL.

In March the FCC announced Docket 88-139, a proposed complete rewrite of the Part 97 Amateur Rules.

SERA became embroiled in an issue with ARRL and copyrighted its Repeater lists. At issue was procedures as to how ARRL officially recognized Coordination Councils. The issue was never resolved. The FCC reversed itself and said they didn't necessarily recognize the ARRL Coordination lists, (earlier saying they would). Then the argument about recognition with ARRL became moot and of no value to SERA.

The long dreaded 220 Mhz. Report and order was released by the FCC in September. Docket 87-14 proposed turning over to land mobile radio interests the bottom 2 Mhz. of the 220 mhz. band.

Since then, much controversy has evolved. Congress, Justice Officials and others are looking into the situation. The ARRL is leading a fight to have the order reversed. The fuss will continue throughout 1988 and 1989.

AB4KS, Sandra Kay Saunders of Tennessee became the youngest Extra class licensed Amateur in the nation. She got her Novice at 8 years old, and her Extra by the time she was 10 years old.

CQ magazine published the first ever "Amateur Radio Buyers Guide."

Tornadoes were again in the news as North Carolina and middle Tennessee were hard hit by the freakish storms in November and December. The February 1989 Journal reported.

1989 — A Year of More Growth

1989 SERA began the year by completely updating the organization's Bylaws and Coordination Policy to reflect today's rules and trends.

SERA and MACC (Mid-America Coordination Council) signed a Memorandum of Mutual Cooperation and agreement. The two councils, the largest in the United States pledged to work together, recognize each other, and cooperate in the best interest of Amateur Radio.

SERA grew again as Mississippi and the remaining portions of Kentucky were voted into the umbrella of the organization. The Repeater Index grew to almost 1,300 repeaters, covering the SERA 8 states.

The Repeater Journal started "newsstand" sales as it offered a package allowing Equipment dealers the magazine for resale.

May saw more destruction with tornadoes in central North Carolina. Winston-Salem was hard hit. In September, Hurricane Hugo destroyed the coast of South Carolina, and severely damaged central and western North Carolina into Tennessee and West Virginia. The Raleigh, N.C. area was in the news again at year's end, as ice storms and the resulting buildup of ice caused two 2,000 foot TV towers to topple.

The FCC began procedures of creating a band plan for the 220 band which is being turned over to commercial interests. At year's end, there was still no solution to the controversy and firm commitment as to when Amateurs might have to move off the lower 2 Mhz of the band.

"No Code" came back in 1989. The FCC is considering proposals to create some form of "codeless" license in Amateur radio. At year's end, comments are still being considered and no word is expected until early 1990. The general attitude toward "no code" seems much better than when it was first introduced in Docket 20283 in 1974 and killed finally in 1985.

That's The Decade!

A lot happened in Amateur Radio and SERA over the past 10 years. As we look into the nineties, we can only hope that de-regulation won't ultimately be the end of Amateur Radio. We do know that the FCC is not going to work much with us. We'll have to come up with ways to solve our own problems; they don't have the money to do it for us.

We hope you have grown with Amateur Radio in the eighties, and will re-dedicate yourself to one of the main reasons for Amateur Radio. . . Public Service! Each of us should choose some form of service to the Public, to Amateur Radio, or whatever way we can help our fellow man. Make your New Year's resolution now. . . . Let's make the nineties even better for Amateur Radio.

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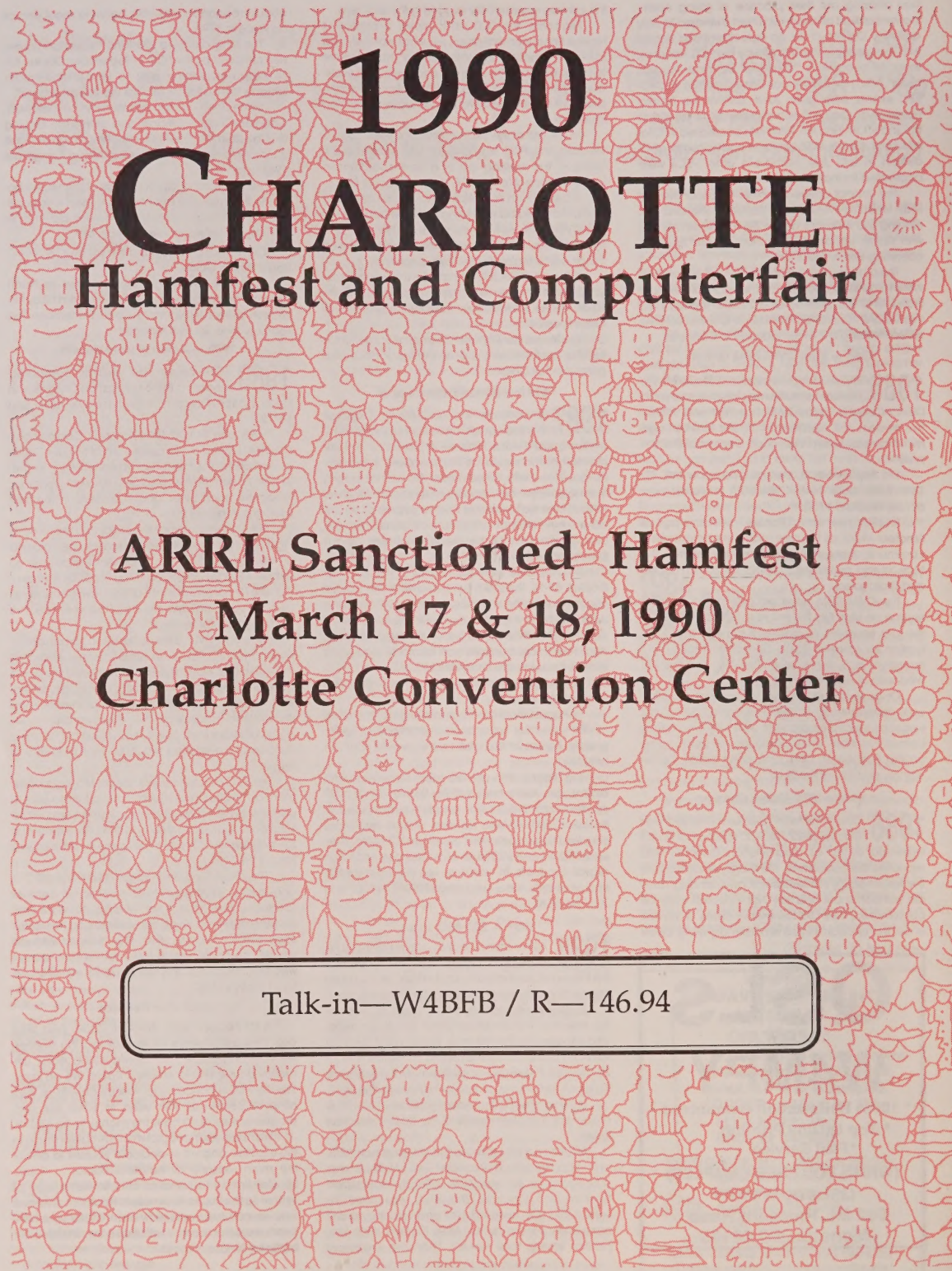
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The 1990 Charlotte Hamfest and Computerfair will offer FCC license exams only on Sunday, March 18 at 9:00 a.m. (please, no walk-ins). To register for an exam, send a completed 610 form along with any copies of your license or certificates and include a check for $4.50 made out to:
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Send check with S.A.S.E to : Charlotte Hamfest, PO Box 221136, Charlotte, NC 28222-1136

Records Being Broken

Full Membership Off to Great Start!

Repeater owners are sending in their Full Membership applications in record numbers this year. By January 17th, we had received over 530 Membership repeater forms. The strong showing seems to be spreading across the 8 Districts this year, as many new repeaters are joining for the first time.

North Carolina again holds the lead in total number of repeaters joined or renewed. Virginia again holds the lead in percentage of membership at this point. Last year, Virginia finished the year with an outstanding 92.6% Full Membership. At the rate they are going, they could equal or maybe surpass this all-time record in 1990.

Tennessee, Georgia, West Virginia and South Carolina memberships are running slightly ahead of this same period last year.

Repeater owners who have not renewed for 1990 are encouraged to do so. A short-form Full Membership application is included in this edition of the Journal and may be used for that purpose. Deadline to be included in the May Journal is April 15th. Full Membership fee is $15.00. All repeaters owned by an individual or club may be included with one membership. Two people may be named as Full Member representatives; each will receive the Repeater Journal.

The chart below gives a complete breakdown of memberships by year and by state. It was held till the last possible moment before press-time and is as updated as we could make it.

SERA FULL MEMBERSHIP-1983 TO DATE Correct thru #370 1-22-90

STATE	FINAL 1983	FINAL 1984	FINAL 1985	FINAL 1986	FINAL 1987	FINAL 1988	FINAL 1989	CURR 1990	1989 MBR %	STATE RPTRS
N.C.	100	83	149	147	123	145	181	117	51.3%	228
S.C.	24	35	56	43	44	46	59	43	46.7%	92
VA.*	58	60	92	88	98	99	151	104	61.5%	169
W.VA	28	21	41	40	51	39	51	43	44.3%	97
TENN.	47	58	85	63	80	80	111	91	31.8%	286
GA.**	9	18	109	125	110	100	104	88	33.8%	260
KY***	1	4	18	21	19	15	48	32	26.4%	121
MISS***	--	--	--	--	--	3	12	25	29.1%	86
TOTALS	268	280	554	598	532	527	717	543	40.6%	1339

* Total Virginia list does not include 69 repeaters which are included-T-MARC territory, North of Highway 33 and Latitude 38-deg.North. Also 4 repeaters in the West Virginia Panhandle area, which are T-MARC.
** GA assumed SERA District Status in mid-1985.
***EKY assumed SERA District Status in 1985, Western Ky in late 1989. District renamed Kentucky (KY) District.
***MS assumed SERA District Status in late 1989.
++ AL is not a SERA District

ATV Frequency

The FCC recently reminded that it is illegal to put ATV on 434.00, and reminded that the frequencies of 427 or 438 are for ATV use. This is within the requirements of Part 97.63B.

They said the 434.00 frequency was being used in some parts of the country.

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9130	30 meters	9110	10 meters
9120	20 meters	9106	6 meters
9117	17 meters		

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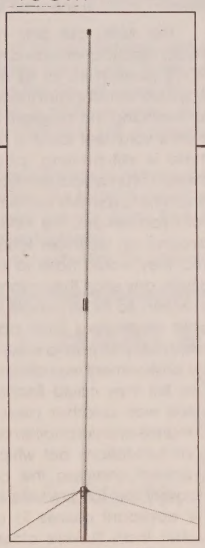

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Part I of a Series

Amateur Radio Examination, Yesterday, Today and Tomorrow

— by Ray Adams, N4BAQ
Chairman Question Pool Committee
National Conference of VECs

(Foreword: Ray Adams, Treasurer of SERA, and very much involved with the VEC program through the WCARS/VEC and chairman of the Question Pool Committee of the National Conference of VECs, has become quite experienced in Amateur Licensing and Examinations. Ray submits Part I, of a very informative three part story about the FCC, Congress and Amateur Licensing. Part II will follow in May and the conclusion, Part III in August. The Editor)

The entire environment of amateur radio license examinations has been totally restructured by deregulation. I know that is not the first time you have heard the term, but it may be the first time you have heard it applied to amateur radio testing. What it really means is that our government is going to lessen their active participation in, and usually at least a small amount of their control over, the function in question. There appears to be little doubt that this has happened in the test room. The task of licensing the Amateur Service at one time consumed the efforts of 35 full time civil service federal employees. Today, that number is two and a half, with ready, capable volunteers filling in to the point that all agree it is being accomplished better than the government could do it themselves.

Many of us have known for years that dedicated volunteers who are working for the satisfaction of seeing the task at hand accomplished in the manner they believe it should be done will out-perform any paid employee. This should not be interpreted as a reflection on the employees the FCC had, or still have. I've found the staff in both Washington and Gettysburg to be intelligent, capable people, quite well qualified for the performance expected of them. The difference is, they quit at 5:00 PM and on Friday afternoon. They aren't to be blamed for this, as the 40 hour week has long been accepted as a fair day's work. They have paid their economic dues and are entitled to R&R on the weekends and evenings just as you and I are. As a matter of fact, at least some of them hamfest regularly on the weekends, and I can relate to that, too! The volunteers don't quit because of a clock — you see they are working at the task at hand only because they enjoy doing it in the first place; now don't go suggesting there is even such a thing as a quitting time when they're having fun.

The Novice test has been administered for years by volunteer examiners selected from among the general or higher class licensees by the applicant. As a matter of fact, at one time that same general or higher class licensee could administer the Technician class examination as well. I suppose the FCC had good reason to retract that authority. It happened at a time when I was paying little attention to amateur radio and I've never heard anyone complain about losing that privilege in the manner of the uncounted statements from untold sources in relation to the restriction of privileges involved with incentive licensing! This would lead me to believe that a change affecting a substantial portion of the amateur community will be accepted by the members of that community if it is clearly in the best interest of amateur radio.

With that background, the FCC was not totally without experience in delegating the authority of administering amateur examinations to licensed amateurs, and had no doubt learned much from their mistakes of the past.

Faced with annual almost automatic reductions in congressional budget allocations, the atmosphere of deregulation became the way to go, as it escorted the golden goose of a lessened funding requirement. The case of volunteer examining got a rude jolt in the form of an attorney's opinion (in the Justice Department, as I remember too) to the effect that the FCC did not have the authority to delegate the administration of amateur testing at any level, even down to and including the performance of prior years in the case of Novice and even Technician class licensees who may well be still operating daily!

That may have been the straw that broke the camel's back and caused the FCC to approach congress, ask for, and get, an amendment to the Communications Act specifically authorizing them to use "unpaid employees" in the process of both preparation of and administering amateur license testing. That legalized the Novice testing program in use at the time. But wait — that was not all — not by a long shot. The FCC announced that 1984 would be the last year in which they would administer amateur license testing at any level, that they had the intention of entering into agreements with entities to serve as "Volunteer Examining Coordinators" (VEC's) who would screen and accredit the examiners, chosen from among the advanced and extra class licensees only, who would be authorized to administer the test for any amateur license higher than novice class. Deregulation had arrived in amateur radio. It sneaked right up on us.

The ARRL, our only national Amateur Radio organization, saw a major defect in the FCC's position so far as ARRL participation was concerned in that there was no provision for financing the program from any source. Even if volunteer labor is used at all levels, there is still printing, postage, a certain amount of unavoidable telephone toll charges, and other expenses that simply must be paid from somewhere. The ARRL could not even depend on volunteer labor to operate the VEC they would have to establish to coordinate any effort they might organize in that direction, so those people would have to be paid employees Their board of directors responsibly refused to enter the program until the environment was altered to one in which they felt they could financially survive. The result was another plea in the halls of Congress and yet another amendment to the communications act which, I understand, permitted charging the applicant a cost recovery fee for any session during which the applicant desires to attempt any test higher than Novice class, effective September 1, 1984.

Next issue: Part II "Enter The VE Program As We Know It"

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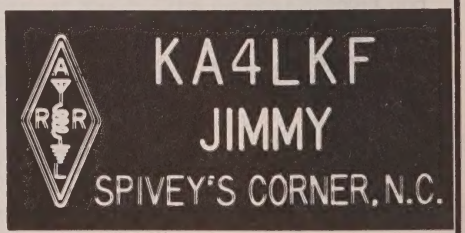

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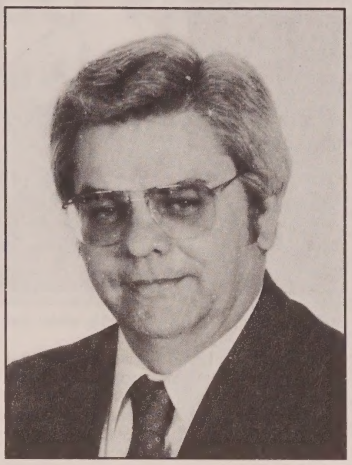
● RED/WHITE ● BLACK/WHITE
● BLUE/WHITE ● WOOD GRAIN/WHT.

Former Repeater Journal Sales Manager Update!

In 1978 when Wayne Williams, K4MOB took over the Editorship of the Repeater Journal, he wanted to break down the duties of the job. The Journal at that time was mainly an information packet with very little regular advertising.

Wayne talked to his friend Ken Holliday, WA4DYY of High Point, N.C., and he graciously accepted the job as the first "official" Repeater Journal Sales Manager.

During the first year, Ken guided advertisers into the pages of the Journal, and it immediately began to expand in pages. There were times that Ken sold out the Journal. But like all good things, they had to come to an end. In the early 80s Ken had to move on into his professional job, which took more and more of his time.



Ken Holliday, WA4DYY

Ken Holliday, a 24 year veteran of the steel rule die industry began his career at Carolina Steel Rule Die Co., of Greensboro, N.C. as a salesman. In 1978, he joined as a partner at Holiday Steel Rule Die of Greensboro until 1983.

During his administration at Holiday, he assisted in developing the technique for the first laser etched steel counter plates for the steel rule die (printing) industry.

In 1984, Ken went with Atlas Die of Elkart, Indiana as sales engineer for the Southeastern United States. He worked out of the Richmond, Va. plant as well.

As of July, 1989, WA4DYY acquired Southeastern Die Co. and began changing procedures and products that Southeastern will be offering the steel rule die industry. Three new lasers have been installed. Ken also acquired the Genline software division, which will be concentrating on the steel rule die industry exclusively.

Ken continues to move up the ladder of success, but we will all remember and be grateful for his job as Sales Manager when we launched the "all-new" SERA Repeater Journal. (Wayne, K4MOB, Editor)

SERA Adopts 13 and 23 Cm Bandplans

At the January Board meeting, SERA took final steps to adopt formal Bandplans for 13 and 23 Centimeters.

The Florida version of the 23 Centimeter (1.2 Ghz) was adopted by SERA. The organization chose to follow the suggested ARRL bandplan for 13 Centimeters (2.4Ghz).

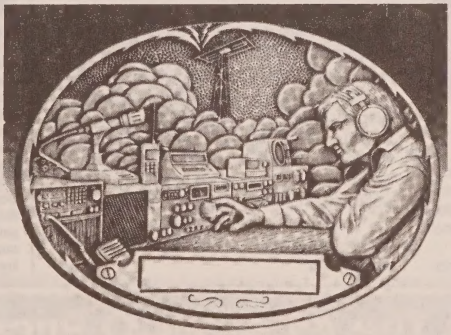
Concerning the 920 Mhz. band, the SERA Board decided to take a "wait & see" attitude since this band is held secondary by Amateurs and is being claimed in some parts of the country by "Vehicle Locater Systems" who have primary use of the band. California has ceased coordinating the band for the time being.

The Board did recommend Amateurs might want to consider the 1.2 Ghz. plan instead of the 920 Mhz. band in this area, since the assault has already started in other parts of the country.

HAM RADIO OPERATOR BUCKLE

Not Just A Buckle,

But A Work Of Art



Finishes available are:

Antique brass — $20.00
Silver or gold plate — $30.00
24 K gold with silver inlay — $50.00

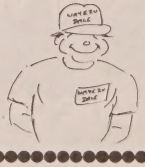
Add $1.50 to above prices for postage and handling

We are proud to offer for the first time this outstanding buckle from one of America's finest buckle craftsmen. First carefully handcrafted and then after 32 inspections for quality of detail and workmanship cast in solid jewelers brass with the "lost wax" method, it is truly the most beautiful buckle you have ever set your eyes on.

It measures 3 and 3/4 inches across and it is 2 and 3/4 inches high. Your call sign will be diamond engraved in attractive 3 line Roman lettering.

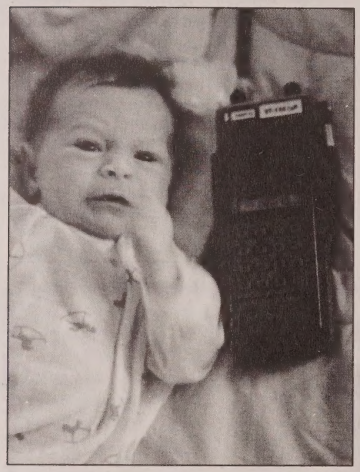
The Cap 'N' Badge Man

P.O. Box 652, Fairforest, S.C. 29336
(803) 576-8617 (24-Hour Answering Service)



Aftermath of "Hugo" Lingers On

New SERA Addition!



BETHANY GARETH WARD
Born Nov. 12, 1989

Bethany Gareth Ward came on the air on November 12, 1989. Bethany is the daughter of SERA Membership Chairman and Repeater Journal Advertising Manager, David and Sharon Ward.

David, KA4LVO, said Bethany will probably want to talk on his H/T, that is, when she gets as big as it is.

Bethany has already attended her first SERA Board meeting last month. David has had her at the keyboard of the SERA computer, but she still hasn't learned her "home" keys and is not a very good typist. She seems more interested now in a nice bottle of warm milk.

Time will tell, but judging from what we have seen, Bethany is destined to be a ham, and a wizard at computers.

Lakeview Co. Expands

The Lakeview Co., Inc., manufacturer of HF, VHF & UHF mobile antennas announced recently that they have completed a 50% expansion of their manufacturing facilities near Anderson, S.C.

R. Shira, Lakeview President said, "Increased demand for our popular priced line of mobile antennas, as well as new products to be introduced in 1990 prompted the additional manufacturing space requirements."

The "WD4BUM" antennas are well known in SERA territory as George and company display and sell at most Southeastern hamfests. Their growth last year was very impressive, as they began setting up a nationwide dealer network and advertising nationwide in many major magazines.

Lakeview Company is one of the many SERA supporting **Repeater Journal** advertisers.

Damages from Hurricane Hugo resulted in Billions of Dollars. Lots of damage from ham operators, commercial systems and others never made the news. Here are some results of the aftermath on Anderson Mt. in Catawba County, N.C. Dan Renfro, WA4PXV sent us these photos of what happened up there. Twisted towers brought down several antennas, including the 900 mhz and 49 mhz systems of Bowater Paper Co. The Catawba County sheriff's system also came down. Fortunately, WA4PXV's systems, 6-Meters and a linking system stayed up on the telephone pole. In all, two buildings and four antenna supports were damaged or destroyed. (Photos by: Dan Renfro, WA4PXV)

Williams Is The #1 ALINCO Price Leader!
Williams Sells More ALINCOs Than Anyone!
Williams Offers Better Service Than Anyone!

Our Volume Buying - Gives You A Better Price!
We Make A Little - You Save A Lot!
Check Out These Unbelievable Prices -

"The Magnificent Ones"

ALINCO RADIOS OF THE 90s

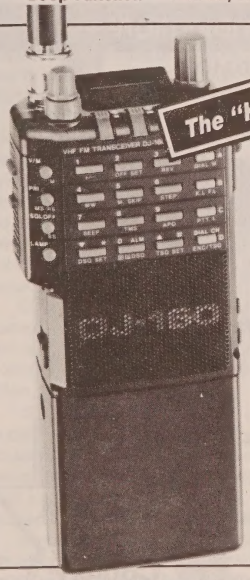
The DR-570T TWIN BANDER

Best Buy! In The Country!

DR-570T
List Price
$749.00
"Magnificently" Priced at
$549.00

Basic Features of the DR-570T Twin Bander!

- Ultra compact (5-⅞(w) x 2(h)x8-½(d)
- High Power! 45 watts on 2M - 35 watts on 450
- Extended Receive Coverage (Plus MARS & CAP)
- Simultaneous Receive on BOTH bands
- Black with Amber/Orange Backlit LCD Readout
- Multi-function readout visible in ALL conditions
- Illuminated Front panel controls
- Full Duplex (Transmit one Band while Receive on other)
- Crossband repeater Operation (No modifications needed)
- Subtone Encode/Decode Standard
- Dual Split Shift Operation (Odd offsets)
- Automatic Band Exchange (A.B.X.)
- Independent LCD Readout of each band
- Independent Volume, Squelch and Tune Controls
- Four scan modes (Program, Memory, Band or Priority)
- Scan Both Bands at Once (Mem/VFO or either or both!)
- 20 Memories (10 on each band)
- Call Channels — one for each band (Immediate Access)
- Priority Channels — one for each band
- One-touch band ignore (operate as single band radio)
- One-touch band selection (swap primary/sec. band)
- Locking reverse — monitor "input" frequencies
- Bell Function — Alerts for Busy Channel when vol. off
- Beep Function — Turn on/off — Verifies function changes
- 16-key DTMF TT Microphone with up/down buttons
- Built-in speaker (Powerful audio), ext. spkr. jack
- Built-in Duplexer (ready for dual-band antenna)
- User friendly, easy to learn & understand
- Alinco Exclusive 180 Full Warranty and. . .
- 2 Year Service Warranty (No additional charge)
- Williams 100% Guarantee (It works or we replace it!)



The "Hot Ones" Get Hotter!

FREE UPS shipping on Alinco Radios. Send check, NO Credit Cards. N.C Residents add 5% Sales Tax. For phone CODs, add $3.50. Prices and models subject to change without notice or obligation.

The DJ-160T 2M Full Featured H/T

NEW! Alinco DJ-160T 2-Meter Handheld

DJ-160T
Just Out!

The "Newest" of the Best! The New DJ-160T joins the other "Magnificent" radios from Alinco. It is "Tiny" yet has all the functions and features of the "big" high priced, full-featured handhelds.

Call For LOW Price!

Features of the DJ-160T

- 20 Memory channels and 1 call channel
- 3-Watts out on Standard 700 Mah Battery
- Built-in DC to DC on Battery (More Power)
- 6-Watts on Optional 12V 700 Mah Battery
- Keyboard entry — or by Up/Down keys
- Extended receive (137-173.995) Modifiable
- 5-different channel Steps in VFO
- 3 Scan Modes (Memory, Band or Program)
- Subtone encode included
- "Dual Watch" (scan between call, VFO & Mem)
- "Priority" (can be used with VFO, Mem or Call)
- Automatic Battery Save Mode
- Automatic Power Off Function
- Two autodialer memories (up to 16 digits each)
- "Pager Function" (for individual or group alert)
- "Dial Function" (change frequency or memory)

With Alinco, You Aren't Paying for a "Big" name and lots of Fancy Advertising, You're only paying for a "Magnificent" radio. Buy your Alinco from Williams and Save even More! Low overhead, competitive pricing — the Williams Customer Service CANNOT be beat by anyone! Don't be fooled by seemingly amazing low price deals. . . it may not be the deal you can live with!

WILLIAMS RADIO SALES
600 LAKEDALE ROAD
COLFAX, N.C. 27235

FOR THE BEST DEAL!
(919) 993-5881
NOON TO 10:00 P.M. EST

WILLIAMS * ALINCO

WE MAKE HAMS HAPPY!

DR-110T
List Price
$519.00
Free UPS
Shipping

Alinco
Factory Authorized Price Break! LOWER Prices!

DR-510T
List Price
$719.00
Free UPS Shipping

DR-110T - 45-watt 2-Meter Transceiver

The radio that has been the star attraction of every hamfest this year. 45-watts/5 watts power, 14 memory channels, reverse, subtone encode and decode, instantaneous storage and retreivable channel, priority, very simple to operate, and it is a very attractive radio. Small, compact, with still more features you won't believe. Ask a DR-110T owner!!

"Magnificently" Priced at $299.00

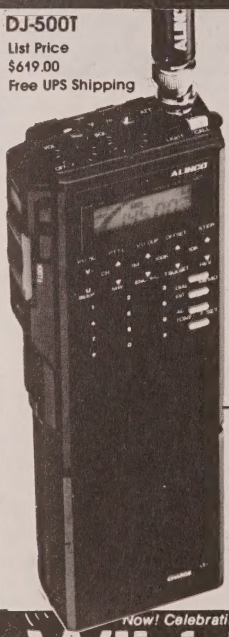
DR-510T - 45 watt 2M/440 Dual Transceiver

Like its 2-meter sister, the DR-510T is small, compact and loaded with features **you** want in a radio. Full cross-band duplex, small modification makes the DR-510T into a cross-band vehicular extender (repeater). Its receive coverage is unbelievable. Ask a DR-510T owner, he'll be glad to brag!

"Magnificently" Priced at $439.00

WILLIAMS RADIO & ALINCO - The unbeatable combination!

DJ-500T
List Price
$619.00
Free UPS Shipping



DJ-500T - Dual-band (2M/440) Handheld

20 channels, Crossband full duplex, 3.5W VHF, 3W UHF on big 700 mah battery, or 6W/5W on Direct DC or optional bigger battery. 16 digit autodialer, LCD, direct entry keyboard, encode and decode, DTMF built-in. battery save. Does it all, but costs a whole less than the "big boys"

"Magnificently" Priced at $379.00

DJ-100T - Micro-Type 2-Meter Handheld

DJ-200T 220 Mhz. H/T **Call for Price!**

Big 500 mah battery, almost 4 watts, with 6.5 watts on direct DC, with built-in DC to DC adapter. 10 memory channels, stores offsets, sub tones, LCD readout, reverse operation, keyboard lock. Big features – small price!

"Magnificently" Priced at $229.00

DJ-100T
List Price
$299.00
Free UPS Shipping

Best Buy! In The Country!

DJ- **Accessories:** • Mobile Bracket • Mobile Charge Cable • Mobile DC Power Cable W/Filter • Speaker Mike W/Lapel Clip • Earphone/Mike W/PTT • Charging Stand • Leatherette Case • 7.2V 700 mah Battery • 12V 700 mah Battery • 9.6V 450 mah Battery. Complete List with prices included with every radio we ship!

FREE UPS shipping Ground on Alinco Radios. N.C. Residents add 5% Sales Tax. Check with order, or add $3.50 for Telephone CODs. Sorry, NO CREDIT CARDS. Prices subject to change without notice or obligation.

Now! Celebrating 15 Years of Service!

WILLIAMS RADIO SALES
600 LAKEDALE ROAD
COLFAX, N.C. 27235

FOR THE BEST DEAL!
(919) 993-5881
NOON TO 10:00 P.M. EST

I had no sooner mailed off my copy for the November issue, which included the story of Dave Allen, WD8LDY, the blind ham operating packet from Charleston, before Dave moved to a similar job with the Ohio Reading Service for the Blind at Columbus, Ohio. For those wishing to follow up the story or correspond with Dave his new mail address is: Dave Allen - WD8LDY, 64½ West Duncan St., Columbus, Ohio 43202. His new home packet bbs in Columbus is @ W8CQK.

• • • •

Even before I got my last issue of the **Journal** I heard via packet from Bill Houser, WB4OKG, at Asheville, NC. He wanted to pass along some comments on what I wrote about. Since then we've kept in touch principally via packet automatic mail forwarding. Occasionally we can get a direct path for a real time QSO via BEE, DPK, HMV, MTN1 and MARS. Bill's home bbs is at KI4FL.

• • • •

Leo Harmon, WB8DRO, and his son, John, N4OKL, are now back at their old Pacific Avenue hilltop QTH in Charleston after some seven years in Florida...Because of winter weather they haven't gotten their towers and antennas up, but John is working a KA-NODE from his home using a temporary antenna for the present. I need to get with him on the phone to get an update on that system for my own information and education. He seems to have added more features since his visit here a couple of months back.

• • • •

When I told Leo I had been after Lovell Webb, N8LW, to get his packet station back on the air, but that he was delayed by work on rebuilding his basement ham shack, Leo commented that "Lovell was working on that hamshack when I left here." Well, we all know how long it takes get something right.

• • • •

I have been the December NCS for the West Virgina Amateur Radio, Inc., Sunday night (9:30 p.m. local time, year round) voice net on the group's N8BHP (147.87/147.27) repeater. For the past six or seven weeks the net has also gone out over the remote base facility of the Huntington/Charleston WB8EZR (146.04/146.64 Mhz) repeater, and most of the time also with a link to the KJ4YK (147.69/147.09 Mhz) repeater at Phelps, Ky. One night we had eight hams check into the net through the latter machine.

Surprisingly we had eleven check-ins on the Christmas Eve net when we expected most everyone to be busy at something else. Since I knew I would be at home I called the net anyway then and will do so again on New Year's eve.

• • • •

On that net mentioned above, Bob Adams, N9DMK, advised that probably before the end of January he would have a new packet node up and operating on one of the commercial TV towers in the area, at the former site of the WA8VRS-1:HTS node. It will provide a crossover from 145.01 to 145.05 Mhz and carry the call HTSLAN:N9DMK-5. WA8VRS-1 will not be reactivated. And the HURC:N9DMK-2 node at Hurricane on 145.05 will not be affected by the change.

• • • •

I understand Johnny Jones, WB8CQV, at South Charleston is adding four more ports to his packet bulletin board. One, so I am told, will be on 145.05 Mhz. The original four were on 446.5 Mhz, 145.01 Mhz, 14,107 Mhz, and 7.091 Mhz.

• • • •

Mike Herod, N8BHP, Hurricane was traveling south on Interstate 77 in the Bluefield area on Tuesday, Dec. 19, and monitored Bluefield area hams, giving a communications assist to city authorities there after a burst water main at the downtown telephone company office building shorted out the phones of nearly 17-thousand customers. I contacted Don, WA4K, who also writes for the **Journal** from time to time, to determine if he planned to write it up. He declined but promised to get the details to me, which he did. That information is the basis for the separate story elsewhere on that ham response to an emergency in their hometown.

• • • •

In December I noticed a change on the NEWVTA:-KA8ZXP-3 node which used to be located at Terra Alta. The new node is CWVGLN:KA8ZXP-3 (Central West Virginia/Glenville). No information since on whether another node will be activated at Terra Alta.

• • • •

Further planning by Terry, WB8IFS. He tells me he plans both a UHF and VHF packet node 3-miles east of Jerryville on Sharp's Knob in Webster County, which is near the boundaries with Pocahontas and Randolph counties. That would not be far from the Slatyfork and Snowshoe ski resorts and Cass, WV, an old logging community being restored by the state. Cass is site of the Cass Scenic Railway.

Terry North, WB8IFS, Charleston, has put a new UHF node on the air at Layland on Mann Mtn. It is BKWUHF:WB8IFS-9, and can be reached through BEEUHF on Bee Mtn at Marmet. The 446.5 Mhz link also extends to WYTHEU:WA4MRJ-4 at Wytheville, Va, and east from there to Poor Mtn at Roanoke, Va — POOR:N4MGQ-4. Other Virginia and Tennessee hams, I am told, plan in 1990 to extend the UHF link as far west from Wytheville, Va to Memphis, Tn.

• • • •

When this appears in print the Fayetteville, WV, hamfest will be coming up quite soon, the last Sunday of the Month (Feb. 25). What with all this foul winter weather we've had during December and without knowing what January will bring, many hams are looking forward to the first hamfest in the area in 1990.

• • • •

I understand an old friend at Kingwood in Preston County has a new call. John Wills, I understand now has KE8NO, but I have been unable to contact by packet. Last time I talked with him he was Preston County EC. John (I always called him Jack), if you're on packet my home bbs is WB8CQV

• • • •

On Christmas Eve Garry, WD8OMB, showed up with some Christmas presents for me. One, a ream of typing paper, is always handy to a writer who tries to send out occasional releases on ham activity in the area. The thought and support is appreciated.

• • • •

Talked recently to Jeff, N8LHL, in Wood County. Sure like the phonetics he uses for his call: "Never ate, let's have lunch." Hi.

• • • •

Now, a couple of late items just before mailing this copy in at end of December for the Feb 1990 **Journal.**

The Wednesday night West Virginia Amateur Radio, Inc., ARES and SWAP net on Dec 27, with N9DMK as NCS, attracted 51 check-ins. Great job, Bob.

And Johnny Jones has changed the bbs software on the WB8CQV bbs. It used to start with the line MBL something or the other. Now it starts with MSYS - 1.06 - H$, whatever that indicates. Message numbers have started again at #1, and I haven't mastered the new commands yet. With no printer I will have to get a friend to download the directions for me.

And the 147.27 bunch (WVAR, Inc) is planning the addition in 1990 of an RC-850 controller for the repeater. It will include remote base capability and will enable the club to link to its other repeater at Liberty, WV — output on 145.41.

That's it at deadline. Remember, keep items, information, pictures coming to me, or send them direct to the **Journal.** I don't have to get into the act, just let's all get out the word on amateur radio. A Happy New Year to all.

WEST VIRGINIA NOTES

By Ted Wolfe, WD4KHL

Bluefield Hams Assist In Dec Emergency

— by Ted Wolfe, WD4KHL

A water line ruptured in the GTE telephone company building on Bland Street in Bluefield, on Tuesday morning, Dec. 19, knocking out approximately 17-thousand circuits affecting primarily the 325 and 327 exchanges serving Bluefield, WV and its adjoining neighbor, Bluefield, Va.

Only about 15 percent of the utilities customers had service at 7:00 a.m., but service was 99 percent restored by four o'clock that afternoon.

A company spokesman said damage was not nearly as costly as it could have been. The water failed to reach the newly installed 15-million dollar switch system which had been inaugurated only ten days previously. It did, however, affect some of the temporary wiring erected during the switchover. The water got into that temporary wiring and shorted out circuits.

City department heads used local broadcast radio stations, ham radio operators and their own dispatch systems to beef up communications, including some fancy footwork and extended use of vehicles.

The Bluefield Rescue Squad alerted the public to call the neighboring Princeton Rescue Squad if it needed service in Bluefield. The two departments were in radio contact and Bluefield calls directed to Princeton were then passed along on radio to the Bluefield squad.

Amateur radio operators active during the emergency were Don Williams, WA4K, who went to the Bluefield Area Medical Center; Don's son, Mark, KJ4QQ, went to the Bluefield Police station; Bob Runion, KA8AWS, went to St. Luke's Hospital.

George Scott, N4QMM; Bill Blackwell, KB8IHH; and Boots Walters, KA8BNY, went to the Mercer County Courthouse to install an emergency station there before sending Boots on to the airport to provide a link and meet an airplane bringing in needed material to repair the water-soaked equipment downtown.

WD4BUM'S

5/8 WAVE MAG. MOUNT ANTENNAS ONLY $25.00

Complete with strong magnet & 15' RG58 coax a PL259 is installed.

- Below 1.5 to 1 SWR over the entire band
- Pretuned to the band center
- Can be tuned for business band & marine frequencies on request
- Stiff stainless steel whip

AT YOUR DEALERS OR SEND CHECK, M.O., VISA OR MC TO:

LAKEVIEW COMPANY
Route 7, Box 258
Anderson, SC 29624
1-803-226-6990

Add $3.00 for shipping & handling
South Carolina residents add sales tax
Catalog available • Dealers welcome

The Annual SERA Repeater Census

Repeater Growth Continues

— by Wayne C. Williams, K4MOB

Our 1990 Census of repeaters got real complicated as we tried to work out actual growth figures from last year. Several changes were responsible for this. (1) We added the remainder of Kentucky and all of Mississippi to our totals. (2) T-MARC repeaters in Northern Virginia and Eastern Panhandle of West Virginia were purged from our totals for 1990, but were in the totals in 1989.

After some mathematical work, of getting accurate totals and subtracting the T-MARC repeaters, and adding the Kentucky and Mississippi repeaters, we think an accurate picture of repeater counts are presented in the chart on this page.

440 Continues Big Growth

The largest growth in repeaters in the 8 States was the 440 mhz band. Over half of the total growth was on 440. Fifty new machines came on during the year, almost equaling the record 55 machines from 1988-1989.

Next highest was the 220 mhz band with 22 new repeaters recorded on the air, compared with 29 in the 88-89 period.

Two meters remains the band with the most machines, but gains on 2-meters was only 13 machines, compared with over 45 in the 88-89 period. This is attributed to the immense popularity of 440 and continued growth of 220. The big reason for a drop in 2-meter machines is lack of frequencies to put on any more machines in heavily populated areas. 2-Meters continues to make up approximately 64% of all VHF/UHF repeaters in the 8 State territory of SERA.

Ten Meters and six meters was cold during the year of 1989 with no net gain and in some cases a loss in total number of machines.

It should be noted that many more machines came on the air than show on the chart, but many machines ceased operation. The resulting total is the difference of those coming on, and those going off.

How to read the chart

The chart shows repeater totals for each State in SERA territory, and for each band for each year since 1984, when we began this yearly census.

Find the State you are interested in, and read across the columns of bands, then years, finally to the totals for that State each year.

Final Census Totals

The final total of repeaters in the last column shows that the State of Tennessee continues to be the largest with 287 repeaters on all bands, followed by Georgia with 260. Placing third in size is North Carolina with 230, then Virginia with 169 (excluding Northern Virginia which is T-MARC Coordination Territory. Kentucky is 5th with 121 repeaters, followed by West Virginia with 97 and Mississippi with 86. (Note: four repeaters in the Panhandle of West Virginia are not counted as they are also in T-MARC territory.

Total repeaters under SERA jurisdiction as of this census is 1342 on the VHF/UHF bands. In 1984, we had 624 machines.

SERA Territory Repeater Growth by State (District) since 1984. Updates are Calculated in January of Each Calendar Year. Corr. as of 1-12-90.

	10-Meters						6-Meters						2-Meters						220-Mhz.						440-Mhz.						Totals 7 States						
Dist	84	85	86	87	88	89	90	84	85	86	87	88	89	90	84	85	86	87	88	89	90	84	85	86	87	88	89	90	84	85	86	87	88	89	90	
NC	0	2	3	2	2	2	3	9	9	9	10	6	7	4	133	143	144	140	141	146	145	24	25	28	27	30	34	35	14	25	36	32	33	31	39	180	204	220	211	214	220	230	NC
SC	0	0	0	0	1	1	1	3	2	3	3	2	1	1	60	62	63	65	64	64	66	4	8	5	5	6	7	10	5	9	12	9	11	11	14	72	81	83	82	83	84	92	SC
TN	2	1	2	2	6	6	6	6	6	7	10	10	13	12	137	139	133	138	139	159	162	14	14	14	16	21	29	33	29	31	35	43	42	64	70	158	191	191	209	222	271	287	TN
VA	1	3	2	2	5	5	4	15	14	12	13	13	12	10	104	111	108	111	118	116	95	7	10	10	10	17	22	17	25	37	36	36	40	48	43	152	175	168	172	193	203	169	VA
WV	0	0	0	0	0	1	0	0	1	6	6	5	3	2	57	64	71	71	71	76	75	2	2	2	3	4	3	4	3	3	5	10	11	10	14	62	70	84	90	91	92	97	WV
KY	0	0	0	0	0	0	0	0	0	0	1	2	3	3	0	0	22	25	32	99	95	0	0	2	4	4	6	6	0	0	1	1	15	16		0	0	25	31	39	34	121	KY
GA	0	2	4	4	4	4		0	0	3	3	5	6	7	0	0	142	138	142	155	156	0	0	12	16	23	28	33	0	0	0	25	35	44	53	61		0	0	184	196	219	246	260	GA
MS	0	0	0	0	3	1		0	0	0	0	0	2	2	0	0	0	0	63	67		0	0	0	0	0	5	5	0	0	0	0	0	11	13		0	0	0	0	84	86	MS
TTLS	3	6	9	10	17	21	20	33	32	40	46	43	47	41	491	519	683	688	707	878	861	51	59	73	81	105	134	143	76	105	150	166	182	243	270	624	721	955	991	1061	1234	1342	TTLS

Other Repeaters: Georgia has one 900 Mhz & three 1270 Mhz. 69 Northern Virginia and 4 in the Panhandle of E. West Va. were purged in 1990 to accurately reflect jurisdiction within T-MARC coordination territory. E.Ky & Ga. added in 1986, remainder of Ky. in 1989. Ms. added in 1989. As each became SERA Districts.

SERA Officers Reelected

All four SERA officers were reelected for another 2-year term. They resumed office at the January Board meeting.

SERA President, Carter Cogle, K4ARO; Vice-President, Nita Wofford, N4DON; Secretary, Barbarra Morgan, WA4RMC; and Ray Adams, N4BAQ were all present at the meeting.

They expressed their appreciation in the faith the membership of SERA had given them through reelection and promised to continue their work in leading the organization for another two years.

Repeater Data Sheets Mailed

David Ward, KA4LVO, Membership Chairman, and Database Chairman reported to the SERA Board at the January meeting, that 1429 repeater datasheets were mailed out the first week of December. At press-time, over 700 had been returned, with over 540 joining SERA. He anticipated over 1,000 to be returned by the end of February.

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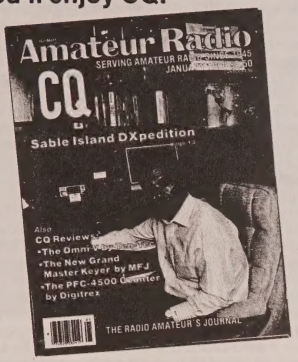

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CQ CQ, Calling All Owners/Programmers of ACC Controllers

— from WA4WTX, Charlie Durst, Durham, N.C.

Almost anywhere I go, I hear a repeater with the familiar sounds of "Romeo and Juliet," the Advanced Computer Controls computer voices. A repeater with an RC-850, RC-85, or RC-96 controller has many useful features which benefit the group that owns and operates that repeater. Some of these features, such as **Emergency Autodial** and **Linking**, could also be very useful to the general amateur population when an emergency occurs. But because of the programming flexibility of the ACC controllers, the codes for these functions vary from repeater to repeater. Unless a member of the sponsoring group is available to assist in the use of these features, the features are virtually nonexistent. This one-on-one contact is great but it may not always be available when an emergency occurs in the middle of the night for example.

In this article, I would like to address the Emergency Autodial and Linking issues, offer some suggestions for meeting the needs of the general amateur population with the ACC controllers, and solicit feedback from owners and programmers of ACC controllers to see if some progress can be made in SERA territory.

Emergency Autodialer

If an emergency service such as local 911 or the Highway Patrol is needed and one of the locals is not available to send the right codes to dial the number, a mobile passing through the coverage area of a repeater will not be able to get the needed emergency services.

Every ACC controller owner or programmer that I know has the most frequently needed emergency numbers programmed in the emergency autodialer. Since the codes and numbers can be selected and customized to each individual's own preference, most are accessed by different codes and are in different slots in the autodialer. Since the codes for these features are not published anywhere except in the sponsoring group's documentation, no one else knows how to use these features under emergency conditions. Help may not be available when it is needed the most.

I can think of several solutions to this problem. Ideally, all ACC controllers would have the same prefix for the emergency autodialer and certain emergency agencies would be in the same autodialer slot. For example, if the emergency autodialer prefix was *91 and the local 911 was in slot 1, anyone could reach 911 by simply dialing *911. This could actually reach local 911 or the appropriate seven digit number. If everyone had the Highway Patrol number in slot 4, for example, the Patrol could be reached by dialing *914. This could go to a seven digit number or an 800 number.

If the owners of ACC controllers could not reach agreement on the prefix and slot for certain numbers, the next best alternative would be to publish, in the SERA Journal of course, the numbers to dial for emergency services on the repeaters willing to share this feature.

Remote Base And Linking

Another feature of the ACC controllers which is a part of a missed opportunity to provide a valuable service is the remote base/inking capability. Many of the ACC controllers have fixed-frequency or frequency-agile remote base links available now. It would be possible to link from one end of North Carolina to the other, for example, if the linking codes were known by the operators along the route. This would have provided a back-up to the PCRN linking system which would have overloaded in the event of a major emergency. Now the loss of the tall towers in Raleigh has taken away the hub of the PCRN linking system for maybe a year or more. The back-up link of ACC-controller-equipped repeaters looks far more attractive now.

Common prefixes would probably not be as feasible or necessary for the linking as it would for emergency autodial. Those willing to provide wide-area linking would need to make the appropriate codes and linking capabilities available for publication in the SERA Journal.

Action Items

I would like to hear from all ACC controller owners in the SERA territory that would like to make these vital features available to the general amateur population. Send me a list of your emergency autodialer codes, linking codes and linking capabilities. A diagram showing the machines that can be linked with would be helpful for the more complex systems. I will try to determine the best way to go with regard to common prefix codes and publication of the codes. I will then advise all that responded and we can proceed from there.

Another interesting suggestion has been to form a User's Group for ACC controller owners and programmers. We could get together at some of the area hamfests and share ideas. Let me know what you think of this idea.

I look forward to hearing from the ACC group.

You may write or call me: Charlie Durst, WA4WTX, 3612 Stoneybrook Drive, Durham, N.C. 27705 or call (919) 383-3044. FAX Number (919) 383-4711.

SERA Repeater Index Turned Over to ARRL

The Index of Repeaters for the 8 SERA States was fed to ARRL Headquarters by computer the last week of January.

David Ward, Database Chairman said all changes and corrections that he had received prior to the transfer had been included before the index was released.

The ARRL will update the Southeastern 8 States for their 1990 National ARRL Repeater Directory with this information. The 1990 ARRL Repeater Directory will be published in April and appear at the Dayton Hamvention.

Join The Journal! Support SERA and Get The Journal At No Extra Charge!

Make a copy of this application and pass it to a friend. Encourage him to help support the coordination council that for 17 years has worked to keep your repeater in the clear. Your membership guarantees a continuation of this work. Associate Members (repeater users) will receive the REPEATER JOURNAL quarterly. If you are a present Associate Member, you may use this application to renew, change address, or change callsign.

Deadlines for membership are the 15th of the month prior to Publication, to receive the next upcoming Journal. (Jan. 15, Apr. 15, Jul. 15 and Oct. 15). Applications received after deadline will receive the next Journal 3 months away.

RJ 02-90

The Repeater Journal is Published Quarterly - Feb., May, Aug., Nov.

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Address _____ Date _____

City _____ **State** _____ **Zip** _____

Phone (**)** _____ **ARRL Member [ ] Yes [ ] No**

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REPEATER JOURNAL ADVERTISING RATES

Effective 1 January 1990

The Repeater Journal is a 3 column magazine with overall page dimension of 8½x11 inches. Our page size enables a wide variety of ad sizes from a full page, to a one column inch size ad.

Column Widths are 1 col: 2¼-in., 1½ col: 3½-in., 2 col: 4⅝-in., 3 col: 7⅛-in. Ad widths will be based only with the specified column widths.

ADVERTISING DEADLINES

New ads, or ad size changes must be sent to the Advertising Manager no later than the 20th of the 2nd month prior to month of publication. (Feb. issue - Dec. 20, May issue - Mar. 20, August issue -June 20 and November issue - Sep. 20)

COPY DEADLINES: New advertising copy or ad changes for existing ads must be in the hands of our Advertising Manager no later than the 1st of the Month prior to Month of Publication. We cannot guarantee insertion of ads after deadline, although every effort will be made to accommodate.

NOTE: Ads published in the Repeater Journal will be repeated the next issue unless notified by the advertiser. If you wish to continue running your present ad, no notification is necessary.

BILLING: Advertisers are billed quarterly after the Repeater Journal is published. All invoices are due upon receipt. Advertisers with unpaid bills will be unable to run further advertising until their account is settled.

CONTRACT ADVERTISING: Contract advertising is billed quarterly after each publication. There is no discount for multiple issue advertising.

VOLUME DISCOUNTS: Advertisers who wish to place more than one ad in each issue of the Repeater Journal may receive additional discounts for each additional ad of the same size run in the same publication issue. A second ad of the same size will receive a 10% Discount, a third ad the same size will receive a 15% Discount. For instance, an advertiser running three full pages will pay full single page price for first page, the second page will receive 10% discount off full single page price, and the 3rd full page receives 15% off the full single page price. The same discounts apply to other ad sizes. They must be of the same size as the first ad to receive the discount rates.

Repeater Journal advertising rates apply to exact size, camera ready copy. We can provide typesetting and/or reduce art for your ad at our cost. Composition and typesetting for a full page ad is approximately $25 to $35, depending on amount of copy. Reduction or enlargement of artwork is $5.50 each piece. COLOR: One additional spot color, on available color pages is available for an additional $35.00 charge per ad, except instances where facing color pages occur in the front and back of the book, only one color charge is made for two pages of advertising. FULL COLOR is available on the Inside Front and Inside Back covers. 100-144 line separation negatives, with color key should be supplied by the advertiser. Separations should be negatives, right reading, emulsion down. No extra charge for full bleed. Due to the Repeater Journal page width being approximately ¼-inch wider than national magazines, if separations are not wide enough for full bleed left to right, bleed will be to outside edge of page.

We can assist in layouts of your ad. Artwork from national magazines can be used at your request if an unfolded clean copy is included with ad dummy.

It is the advertiser's responsibility to cancel advertising for upcoming issues when remitting payment, or prior to deadline for the next issue, otherwise, the ad will be repeated until further notice.

The Repeater Journal cannot be responsible for errors in advertising, due to typesetting or proofing mistakes, although every effort is made for accurate depiction of your ad. We cannot be held accountable for equipment or accessories that do not live up to the advertised claim. We cannot be responsible nor guarantee insertion of any advertising received after normal deadlines.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. If additional work is required to ad, advertiser will be billed for additional cost.

HAMFEST FLYERS for hamfest ads are suitable although they must be placed on the camera for size adjustment ($5.50 extra charge). Flyers should be clean, preferably printed in black ink, and not wrinkled or folded for best reproduction.

REPEATER JOURNAL ADVERTISING SIZES AND RATES

Ins. Frt. or Ins. Back Covers	8½"x11"	$335.00
Full Page	7⅞"x9⅞"	100.00
Full page Bleed (any sides)	8½"x11"	125.00
2/3 Page (Vertical)	4⅝"x9⅞"	75.00
1/2 Page (Horizontal)	7⅛"x4¾"	55.00
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1/2 Page (2-Col Vertical)	4⅝"x7⅛"	55.00
1/3 Page (Vertical only)	2¼"x9⅞"	40.00
1/4 Page (Vertical only)	3½"x4¾"	32.00
1/6 Page (Vertical)	2¼"x4¾"	22.00
1/6 Page (horizontal)	4¾"x2¼"	22.00
1/12 Page (Vertical only)	2¼"x2¼"	14.00
Business Cards-Repeater/ Club Cards On Directory Page	(4-issue Contract) In Advance	18.00
Classified Ads (30 words max)	In Advance	3.00
Color (1 add'l color plus black)	Any size ad	35.00

Sizes listed above are width by length in that order. Ads which run lengths between sizes listed above will be billed according to column inch rate at midpoint. Prices above are for exact size, camera-ready positive photoprint, or pasteup. Full color ads for covers are negative, right reading emulsion down. Camera work, typesetting will be charged at our cost. There is no charge for layout design or pasteup.

THE SERA OFFICIAL REPEATER INDEX

Copyright SERA 1990. The Official SERA Coordinator's Repeater Index is Copyrighted 1990, and the property of SouthEastern Repeater Association, Inc., the official Coordinating Council for: Virginia, North Carolina, South Carolina, Kentucky, West Virginia, Tennessee, Georgia and Mississippi.

Permission is hereby given without written consent to clubs, or individuals to publish any part of the SERA Repeater Index, providing: (1) Proper credit to SERA is given, and (2) The published vehicle is distributed FREE of charge.

No magazine or publication of any form, which is to be sold to the general Amateur public, for a break-even or profit basis, may use all or any portion of the SERA Repeater Index without explicit written permission of SERA. Permission must be obtained for each edition, or revised printing of such a publication. All other rights reserved.

SERA will not be responsible for incorrect or omitted listings. The responsibility of correct listings are those of the actual repeater owner or sponsor. We make every effort to keep the index as accurate as possible with information provided. The SERA Repeater lists contain certain repeaters which are NOT Coordinated, or not operating according to recognized frequency utilization plans. SERA does not necessarily condone, or recognize such repeaters as being legal or illegal. They are listed in our indexes primarily to keep our readers informed of all repeaters known in the areas served by SERA.

Repeater owners are reminded to contact their local Frequency Coordinator (Director) for assistance in coordination, changes in their listings, or any other requirements.

DISTRIBUTION OF REPEATERS BY FREQUENCY

The SERA By-State, By-City Index Appears After This By-Frequency Index

This by-frequency index contains repeaters in the States of Virginia, North Carolina, South Carolina, Kentucky, Tennessee, West Virginia, Georgia and Mississippi.

2 METERS

4.51 /5.11	VTA	ATLANTA	GA
	TUN	AUGUSTA	GA
	HYE	MENDENHALL	MS
	RXG	SAURATOWN MT	NC
	JMT	CONWAY	SC
	Y	COOKEVILLE	TN
	BOX	JACKSON	TN
	UL	KNOXVILLE	TN
	ARK	NASHVLE/FAIRVIEW	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	SEX	NEWNAN	GA
	VLP	VALDOSTA/TIFTON	GA
	YNF	AHOSKIE	NC
	CS	GREENWOOD/HODGES	SC
	CMY	CHATTANOOGA	TN
	YGI	COLLIERVILLE	TN
	OAK	LAFOLLETTE	TN
	VL	GALAX/LKOUT MT	VA
	FHE	BUCKHANNON	WV
4.55 /5.15	MM	ALBANY	GA
	AQL	ATLANTA	GA
	LI	MILLEDGEVILLE	GA
	NFK	CLARKSON	KY
	IWZ	PIKEVILLE	KY
	LEF	PICAYUNE	MS
	JTX	CHERRYVILLE	NC
	CVM	RANDLEMAN/GBO	NC
	OXE	INMAN	SC
	LWY	SUMMERTON	SC
	RJC	DECATUR-PONE KB	TN
	JXI	MEMPHIS	TN
	ARO	PETERSBURG	VA
	HDB	MARMET/BEE MT	WV
4.57 /5.17	JBF	COOLIDGE	GA
	DIW	JONESBORO	GA
	ZQB	NEWTON/ANDSN MT	NC
	RVS	OXFORD	NC
	TUN	AIKEN	SC
	SK	LOUDON	TN
	BRN	MEMPHIS	TN
	LHO	MURFREESBORO	TN
	ZUA	NORFOLK	VA
	FRV	BECKLEY/BOLT	WV
4.59 /5.19	GIS	CARTERSVILLE	GA
	ULJ	PINE MT/HAMILTON	GA
	TEF	BOONEVILLE	MS
	BVW	MT MITCHELL	NC
	OTT	CARTHAGE	TN
	XX	JASPER	TN
	FAX	RICHMOND	VA
	YJJ	RICHWOOD	WV
	JGY	WHEELING	WV
4.61 /5.21	PSZ	TYRONE	GA
	U	DEANE	KY
	BOP	ERLANGER	KY
	RNW	LOUISVILLE	KY
	WRE	POPLARVILLE	MS
	TQD	TRENTON	NC
	NEP	GASTON	SC
	BBB	KNOXVILLE	TN
	ARK	NASHVILLE	TN
	LIY	TRENTON	TN
	MS	KILMARNOCK	VA
	QOJ	ROANOKE/POOR MT.	VA
	FEQ	HUNTINGTON	WV
4.63 /5.23	JEH	CONYERS	GA
	UJ	DALTON	GA
	COL	WAYNESBORO	GA
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	DBB	BEDFD/APL ORCH	VA
	ORI	NEWPORT NEWS	VA
4.65 /5.25	BLQ	CLAYTON	GA
	BZJ	DALTON	GA
	KQK	FOREST PARK	GA
	GGD	GREENSBORO	NC
	URP	CHARLESTON	SC
	DWQ	ERWIN	TN
4.67 /5.27	VT	MONTGOMERY	WV
	PN	WALESKA/PNLGMT	GA
	DZJ	WIGGINS	MS
	KNI	HENDSVL/BERWLW M	NC
	BEA	RALEIGH	NC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	MUQ	WYTHEVL/SAND MT.	VA
	OG	CRAIGSVILLE	WV
4.69 /5.29	DRQ	ATLANTA	GA
	AGA	FRANKFORT	KY
	PL	LAWRENCEBURG	KY
	ICN	PRESTONSBURG	KY
	L	VICKSBURG	MS
	BFB	CHARLOTTE	NC
	ACP	MAYODAN	NC
	VCM	CHATTANOOGA	TN
	SQC	HOLSTN MT/J.CITY	TN
	UVH	NASHVILLE	TN
	NDH	CHESAPEAKE	VA
	ZXP	GLENVILLE	WV
4.71 /5.31	CEK	COLUMBUS	GA
	JDR	STOCKBRIDGE	GA
	KX	LEXINGTON	NC
	GY	CHELSEA	SC
	PF	ROCK HILL	SC
	GRC	ATHENS	TN
	SC	JACKSON	TN
	ECD	LAFAYETTE	TN
	BZS	BECKLEY/LAYLAND	WV
4.73 /5.33	OGE	JONESBORO	GA
	CYR	GULFPORT	MS
	J	MT. AIRY	NC
	DFP	BAMBERG	SC
	DBJ	CUMBERLAND CITY	TN
	TEM	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	QQI	FARMVILLE	VA
	QC	PARSONS	WV
	M	WILLIAMSON	WV
4.75 /5.35	DOC	ATLANTA	GA
	FGQ	ROSSVILLE	GA
	AOS	CHARLOTTE	NC
	GVK	GREENVILLE	NC
	Y	HUMBOLDT	TN
	AZJ	BLAND	VA
	OZT	CHARLESTON	WV
4.77 /5.37	UA	AUGUSTA	GA
	ACH	COLUMBUS	GA
	IZF	JASPER	GA
	NNX	HATTIESBURG	MS
	AGN	N. WILKESBORO	NC
	MI	OXFORD	NC
	PPD	SHALLOTTE	NC
	GRC	KNOXVILLE	TN
	OG	NASHVILLE	TN
	P	GLOUCESTER	VA
	FWL	BECKLEY/EOC	WV
4.79 /5.39	HYB	GRIFFIN	GA
	NJ	MONROE/UCARS	NC
	AM	CHATTANOOGA	TN
	EPC	GREENEVILLE	TN
	DOR	LEBANON	TN
	VM	RAMER	TN
	ZIV	GALAX	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	PXX	BRNSWK/JEKYLL IS	GA
	NQN	COVINGTON	KY
	BKD	GLASGOW	KY
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	TUO	GREENEVILLE	TN
	VIP	MEMPHIS	TN
	FHE	BUCKHANNON	WV
	HYX	LIBERTY	WV
4.83 /5.43	LCI	ATLANTA/SWEAT MT	GA
	OLL	MACON	GA
	ITL	SPARTA/GREEN MT	NC
	LB	COLUMBIA	SC
	YTU	BROWNSVILLE	TN
	UCE	COOKEVILLE	TN
	IUA	KNOXVILLE	TN
	SQT	RICHMOND	VA
	L	CHARLESTON	WV
	LG	MORGANTOWN	WV
4.85 /5.45	BOC	DECATUR	GA
	TX	LEXINGTON	KY
	TX	LEXINGTON	KY
	PLY	CROWDERS MT	NC
	WTX	DURHAM	NC
	GRW	NEWPORT	NC
	SIR	BENTON	TN
	KO	COLUMBIA	TN
	HAZ	MEMPHIS	TN
	KOG	MEMPHIS	TN
	E	SPRING HILL	TN
	FXC	GRANTSVILLE	WV
	SXZ	WELCH	WV
4.87 /5.47	CLA	SWEAT MT/MARIETT	GA
	WMM	WASHINGTON	KY
	HAJ	KINSTON	NC
	NC	SAURATOWN MT	NC
	DDK	MYRTLE BEACH	SC
	GBI	KNOXVILLE	TN
	OMO	MOUNTAIN CITY	TN
	ARK	NASHVILLE	TN
	FG	KINGSTON/LICK KB	WV
4.89 /5.49	JA	AUGUSTA	GA
	RWS	CLOVERLE	GA
	OPL	MARIETTA	GA
	PXK	CLARKSON	KY
	CWF	NICHOLASVILLE	KY
	ZCZ	FRANKLIN	NC
	BWC	RALEIGH	NC
	ABW	RKY RDG/WALLACE	SC
	KKO	MCMINVL/SHT MT	TN
	KOG	MEMPHIS	TN
	MOP	BLUEFIELD	VA
	OHX	NEWPORT NEWS	VA
	MOP	BLUEFIELD	WV
6.715/6.115	GB	CARROLLTON	KY
6.895/6.295	RBS	HARTWELL	GA
	SM	MACON	GA
6.01 /6.61	CVY	COLUMBUS	GA
	BDP	WARNER ROBINS	GA
	KWV	CORBIN	KY
	RNW	LOUISVILLE	KY
	PVV	MADISONVILLE	KY
	KKG	LAUREL	MS
	SNI	GREENSBORO	NC
	JMS	NEW BERN	NC
	NYK	GRNVLE/CSRS HD	SC
	CMY	CHATTANOOGA	TN
	PCD	NASHVILLE	TN
	LSP	ABINGDN/BRMLY MT	VA
	GSP	CHESAPEAKE	VA
	WWQ	LYNCHBURG	VA
	MZI	GASSAWAY	WV

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SERA Suggested FM Simplex

146.490 146.505 146.520 146.535 146.550
146.575 146.580 146.595 147.510 147.525
147.540 147.555 147.570 147.585
223.50 or up and down 20 khz channels
446.00 or up and down 25 khz channels

SERA Suggested Digital Simplex

145.01 145.05 145.07 145.09 145.61
145.63 145.65 145.67 145.69
221.05 221.15 221.25 221.35 221.45
223.40 223.42 223.58

NOTE: Digital operators are reminded to check with local Digital Societies for which digital channels are available for various digital usage, in their particular area. Some channels are for exclusive use of LAN or BBS, etc. usage.

This SERA Official Repeater Index Is Correct As of January 29, 1990

PLEASE NOTE!
The letters column between the frequency and city indicate suffixes of the repeater callsign.

DISTRIBUTION OF REPEATERS BY FREQUENCY

6.025/6.625	UPE	UNION CITY	GA
	JWP	VIDALIA	GA
	WO	PORT GIBSON	MS
	QWK	LAURINBURG	NC
	GBI	KNOXVILLE	TN
	ZOX	MARTIN	TN
	BZS	FLAT TOP/WINTRPL	WV
6.035/6.635	YCU	BETSY LAYNE	KY
6.04 /6.64	LWT	AUGUSTA	GA
	FWD	CARROLLTON	GA
	GBG	WAYCROSS	GA
	UXJ	CAMBELLSVILLE	KY
	YZY	PINEVILLE	KY
	YZY	PINEVILLE	KY
	ITL	JACKSON	MS
	NAY	MOOREVILLE	MS
	YAO	HENDERSONVILLE	NC
	DW	RALEIGH	NC
	NC	WINSTON-SALEM	NC
	FIQ	SUMTER	SC
	RX	CROSSVILLE	TN
	KQQ	MEMPHIS	TN
	NTM	NASHVILLE	TN
	WIC	FINCASTLE	VA
	IH	MARION	VA
	QEY	RICHMOND	VA
	EZR	HUNTINGTON/CHAS	WV
6.055/6.655	NFP	ATLANTA/MARIETTA	GA
	MHI	BOWLING GREEN	KY
	DZC	DANVILLE	KY
	CEB	CONCORD/KANNAP.	NC
	VTX	ELIZABETH CITY	NC
	ABU	BROWNSVILLE	TN
	F	CHATT/SIGNAL MT	TN
	ISI	ALTAVISTA	VA
	BUC	UPPER TRACT	WV
6.06 /6.66	BKM	MACON	GA
6.07 /6.67	NSO	GAINESVILLE	GA
	EQL	JESUP	GA
	VHF	HAZARD	KY
	KBL	PRINCETON	KY
	CAX	BLUE MT.	MS
	YGD	BURLINGTON	NC
	BKU	CHERRY MT	NC
	SJ	HALIFAX	NC
	U	ST. MATTHEWS	SC
	DKI	BRISTOL	TN
	BGW	LAFOLLETTE/WMT	TN
	NTM	NASHVILLE S.W.	TN
	HZS	BARREN SPRINGS	VA
	ZR	LEXINGTON	VA
	NTG	WILLIAMSBURG	VA
	JNU	RAVENSWOOD	WV
6.085/6.685	IWL	ADAIRSVILLE	GA
	UWN	FAYETTEVILLE	GA
	PPM	MIDDLESBORO	KY
	KHB	NATCHEZ	MS
	NBR	GRIFTON	NC
	O	STATESVILLE	NC
	CO	NEWBERRY	SC
	PIO	LENOIR CITY	TN
	O	WAVERLY	TN
	FMD	CLARKSBURG	WV
6.10 /6.70	MM	ALBANY	GA
	OOM	JASPER	GA
	DOJ	MILLEDGEVILLE	GA
	TO	SAVANNAH	GA
	JO	GRAYSON	KY
	BDC	LOUISVILLE	KY
	YGM	UNION CITY (TN)	KY
	GY	BAY ST. LOUIS	MS
	LVA	GRENADA	MS
	DEJ	MERIDIAN	MS
	CID	DUNN	NC
	PAX	LANCASTER	SC
	UOT	MANCHESTER	TN
	UFT	MEMPHIS	TN
	YGM	UNION CITY	TN
	WQS	DANVILLE/WHT OAK	VA
	D	NORFOLK	VA
	LOC	PENNINGTON GAP	VA
	XD	STAUNTON	VA
	JNU	RAVENSWOOD	WV
6.115/6.715	NVG	LAVONIA	GA
	ABZ	RINGGOLD	GA
	B	BEREA	KY
	TQY	GREENWOOD	MS
	GGN	MILLERS CREEK	NC
	KDC	SPRING LAKE	NC
	NEP	COLUMBIA	SC
	I	BLACKSBURG	VA
	GL	SHERRARD	WV
6.13 /6.73	MM	ALBANY	GA
	NC	ATLANTA/SWEAT MT	GA
	TVE	BRUNSWICK	GA
	OHN	PHENIX CITY (AL)	GA
	SWF	LOUISA	KY
	ZXK	VERSAILLES	KY
	OS	BILOXI	MS
	VZF	STARKVILLE	MS
	BWC	RALEIGH	NC
	EXU	SALISBURY	NC
	VNK	WILMINGTON	NC
	FKJ	N. AUGUSTA	SC
	BJY	SIMPSONVILLE	SC
	IOB	KNXVL/ENG MT	TN
	DAZ	MEMPHIS	TN
	WA	WATERTOWN	TN
	DHO	HAMPTON	VA
	AVZ	ALDERSON	WV
6.145/6.745	BKF	ATHENS	GA
	N	DILLON/PEE DEE	SC
	UP	COALFIELD	TN
	HF	DYERSBURG	TN
	DY	ROANOKE/POOR MT	VA
	FMD	ELK GARDEN	WV
	U	PARKERSBURG	WV
6.16 /6.76	BOC	STONE MT	GA
	APS	VALDOSTA	GA
	NSY	FERN CREEK	KY
	HBM	LEXINGTON	KY
	CUW	PADUCAH	KY
	AXQ	FLORENCE	MS
	BVW	ASHVL/MT PISGAH	NC
	GGD	GREENSBORO	NC
	S	SWANSBORO	NC
	THL	WILSON	NC
	ILT	CHARLESTON	SC
	LSP	BRISTOL/HLSTN MT	TN
	PQP	NASHVILLE	TN
	TFZ	CHARLOTTESVILLE	VA
	ZIN	WILLIAMSBURG	VA
	VA	HUNTINGTON	WV
	CUL	MORGANTOWN	WV
6.175/6.775	KE	MARIETTA	GA
	OCB	WRENS	GA
	JYH	LONG BEACH	NC
	DCD	TABOR CITY	NC
	JVO	PULASKI/MUSIC MT	TN
	VR	WYTHEVILLE	VA
	BWZ	ELKINS	WV
6.19 /6.79	DMK	FOLKSTON	GA
	KOW	MOULTRIE	GA
	SEX	NEWNAN	GA
	VYX	SWAINSBORO	GA
	U	PAINTSVILLE	KY
	TYP	BILOXI	MS
	S	WEST POINT	MS
	LZD	CLINTON	NC
	QDK	SAURATOWN MT	NC
	FVV	ANDERSON/SAS MT	SC
	ILT	CHARLESTON	SC
	AM	CHATTANOOGA	TN
	ABR	JOHNSON CITY	TN
	SQE	NASHVILLE	TN
	SD	CHESAPEAKE	VA
	OQC	OAK HILL	WV
6.205/6.805	LT	MILLEDGEVILLE	GA
	NNE	GUTHRIE	KY
	EWG	FAYETTEVILLE	NC
	NOQ	GASTONIA	NC
	FYC	ORANGEBURG	SC
	NNE	GUTHRIE (TN/KY)	TN
	HTI	COVINGTON	VA
7.405/6.805	AQS	CALHOUN/JASPER	GA
	HCY	MAGGIE VALLEY	NC
6.22 /6.82	MM	ALBANY	GA
	DOC	ATLANTA	GA
	HAO	LYONS	GA
	MBA	GREENVILLE	MS
	MZ	MAGEE	MS
	PZA	ROARING GAP	NC
	GMP	WILMINGTON	NC
	NYK	GRNVLE/PARIS MT	SC
	OAH	LAKE CITY	TN
	BS	MEMPHIS	TN
	NCM	WINCHESTER	TN
	IFS	CHARLESTON	WV
6.235/6.835	OCB	THOMPSON	GA
	QCO	ASHEVILLE	NC
	JXG	NAGS HEAD/BODIE	NC
	USH	WADESBORO	NC
	DCX	GRUNDY/BIG A MT	VA
	UTN	LEESVILLE	VA
7.435/6.835	EV	DALONEGA	GA
	BPV	HIGH POINT	NC
6.25 /6.85	DVJ	DALLAS	GA
	R	LAGRANGE	GA
	QWI	WARNER ROBINS	GA
	CLL	BOWLING GREEN	KY
	IV	PIKEVILLE	KY
	VNO	BAY ST. LOUIS	MS
	JMD	BUDE	MS
	BWW	CLEVELAND	MS
	MFK	ILKA	MS
	LWC	KOSCIUSKO	MS
	CYP	GOLDSBORO	NC
	MDW	HICKORY/BRT. MT	NC
	YFT	REIDSVILLE	NC
	ULH	FLORENCE	SC
	KJH	GTLBG/COVE MTN	TN
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	POX	PORTSMOUTH	VA
	ZBP	STAUNTON	VA
	BO	BECKLEY/FLAT TOP	WV
	L	BUCKHANNON	WV
6.265/6.865	DKY	MADISON	GA
	YF	BIG KNOB/GREY CT	SC
	G	FAYETTEVILLE	TN
7.465/6.865	DWU	ELLISVILLE	MS
	ZRS	WAXHAW	NC
	MZ	MOUNTAIN LAKE	VA
6.28 /6.88	TOM	COLUMBUS	GA
	TDL	EVANS	GA
	YFR	MARIETTA	GA
	NKL	QUITMAN	GA
	HBB	SAVANNAH	GA
	OAU	LOUISVILLE	KY
	U	MAYTOWN	KY
	AI	SOMERSET	KY
	NNZ	JACKSON	MS
	AAY	PASCAGOULA	MS
	TQD	RALEIGH	NC
	NYR	SHELBY	NC
	AVU	COLUMBIA	SC
	CYZ	BRISTOL	TN
	ETE	MEMPHIS	TN
	TOA	NASHVILLE	TN
	SKH	OAK RIDGE	TN
	CYZ	BRISTOL	VA
	ZBE	RICHMOND	VA
	PDL	SALEM	VA
	COV	CHARLESTON	WV
6.295/6.895	JBV	INDEPENDENCE	KY
	YFF	MADISON	NC
	KXV	VIRGINIA BEACH	VA
6.30 /6.90	WVH	IRVINGTON	KY
	SP	FAIRMONT	WV
6.31 /6.91	FOW	CLEVELAND/LONG	GA
	HYB	GRIFFIN	GA
	GFY	MOREHEAD	KY
	VV	HERNANDO	MS
	OCM	NATCHEZ	MS
	ZGQ	AHOSKIE	NC
	MOE	ASHVL/SPIVEY MT	NC
	YZF	FAYVLLE/CFARS	NC
	IZM	LEXINGTON	NC
	BWZ	WHITE HALL	SC
	GZX	CLEVELAND	TN
	DQU	SAVANNAH	TN
	YXA	SHORT MTN	TN
	AXH	CHASE CITY	VA
	TUE	MT LAKE/BALD KNB	VA
	ULB	MCMECHEN	WV
6.325/6.925	ASI	COVINGTON	GA
	PJR	JESUP	GA
	BEJ	ELIZABETHTOWN	KY
	VOJ	CORINTH	MS
	TFZ	CHARLOTTESVILLE	VA
	GJG	DANVILLE(DCC)	VA
	OGY	PRINCETON/PIPEST	WV
6.34 /6.94	N	AUGUSTA	GA
	VO	ROME/MT. ALTO	GA
	RVB	WRIGHTSVILLE	GA
	SN	ASHLAND	KY
	WZH	GLASGOW	KY
	AUZ	LEXINGTON	KY
	NTB	MURRAY	KY
	SBK	JACKSON	MS
	JMD	MCCOMB	MS
	DLH	BURGAW	NC
	BFB	CHARLOTTE	NC
	BFT	DURHAM	NC
	ACY	MANTEO/WANCHESE	NC
	ZAS	MT AIRY-RTTY	NC
	IXO	GREENVILLE	SC
	GBI	KNOXVILLE	TN
	BN	MEMPHIS	TN
	PCD	NASHVILLE	TN
	AKZ	ABINGDON	VA
	UMI	HAMPTON	VA
	ZA	RICHMOND	VA
	AIP	ROANOKE	VA
	VKB	SUMMERSVILLE	WV
	JN	WEIRTON	WV
7.54 /6.94	CSW	NEW MARTINSVLLE	WV
6.355/6.955	KIN	PERRY	GA
	PRE	ROCKY TOP MT	GA
	OCP	RABBIT HASH	KY
	NS	RINEYVILLE	KY
	ULA	ROCKINGHAM	NC
	MZ	ONEIDA PEAK/BLF	VA
6.37 /6.97	OD	ATLANTA	GA
	HBB	SAVANNAH	GA
	DPP	HENDERSON	KY
	MJM	MERIDIAN	MS
	ZAS	MT AIRY	NC
	JQ	SMITHFIELD	NC
	SZ	ANDERSON	SC
	ISM	FLORENCE	SC
	TRC	KNGSPT/BAYS MT	TN
	MWQ	MCMINNVILLE	TN
	BEZ	MEDINA	TN
	SKH	OAK RIDGE	TN
	WRN	MIDDLEBROOK	VA
	KXV	VIRGINIA BEACH	VA
	E	LOGAN/WARD RK MT	WV
	CRW	PARKERSBURG	WV
6.38 /6.98	BEJ	ELIZABETHTOWN	KY
6.385/6.985	I	AUGUSTA	GA
	HHH	ELLIJAY/TALONA M	GA
	TOV	PRESTON	GA
	UUB	ST. MARYS	GA
	DMT	SENATOBIA	MS
	OGB	ALBEMARLE	NC
	PVE	MARION	NC
	ESG	MT PLEASANT	SC
	CA	ROANOKE/POOR MT	VA
6.40 /7.00	NNO	ATLANTA	GA
	UFH	CORINTH	MS
	OFX	WATER VALLEY	MS
	AZA	HIGH POINT	NC
	FVO	JACKSONVILLE	NC
	YLT	MARION	SC
	YXZ	PICKENS	SC
	AZQ	KNOXVILLE	TN
	FZJ	MEMPHIS	TN
	HMT	SUFFOLK/GASBURG	VA
	GDY	ST ALBANS	WV
7.60 /7.00	DXZ	LANETT(AL)	GA
	WAU	ELKHORN CITY	KY
	LR	SHELBYVILLE	KY
	BX	COLUMBUS	MS
	KMG	BLOUNTVILLE	TN
	ZOK	CHATT/SIGNAL MT	TN
	SGA	CLARKSVILLE	TN
	ZR	TERRA ALTA	WV
6.415/7.015	M	LYNCHBURG	VA
	AXO	NORTON/HIGH KNOB	VA
7.615/7.015	UHL	BONAIRE	GA
	FOW	CLEVELAND/LONG	GA
	UM	HINESVILLE	GA
	KPF	LK NORMN/CLT	NC
	UMU	SUMTER	SC
	JVV	LEBANON	TN
	KS	ROCKWOOD	TN
	YGM	UNION CITY	TN
6.43 /7.03	D	LAUREL	MS
	YTZ	ROCK HILL	SC
	MVR	LEXINGTON	TN
	ZJM	MEMPHIS	TN
	ODR	MILLINGTON	TN
	JST	RICHMOND	VA
7.63 /7.03	REI	ATLANTA/AIRPORT	GA
	C	GLASGOW	KY
	ZVL	HOPKINSVILLE	KY
	PJZ	LOUISVILLE	KY
	A	OWENSBORO	KY
	LDD	OCEAN SPRINGS	MS
	GG	GREENSBORO	NC
	DTS	ROANOKE RAPIDS	NC
	FOF	BARNWELL	SC
	HOG	N. MYRTLE BEACH	SC
	NIQ	FAYETTEVILLE	TN
	PRQ	MORRISTOWN	TN
	BLD	WAYNESBORO	VA
	IT	MULLINS/HRNDN MT	WV
	ECC	ST MARYS/BENS R	WV
6.445/7.045	FLR	FAYETTEVILLE	NC
	CNS	ROB/JOANNA BLD	NC
7.645/7.045	TYM	METTER	GA

DISTRIBUTION OF REPEATERS BY FREQUENCY

	NFA	WATKINSVILLE	GA
	JRL	STATSVL/ASBRY MT	NC
	HKZ	COOKEVILLE	TN
	AYN	NASHVILLE	TN
	RAQ	STAUNTON/EL. KB	VA
	SBC	VIRGINIA BEACH	VA
6.46 /7.06	CQ	CHARLOTTE	NC
	LBM	VOLENS	VA
	PNC	PRINCETON	WV
7.66 /7.06	DDI	MACON	GA
	CLA	ROSWELL	GA
	UCJ	THOMASVILLE	GA
	WQ	PADUCAH	KY
	K	HATTIESBURG	MS
	LED	MACO	NC
	VFR	SUMTER/SHAW	SC
	MQQ	MEMPHIS	TN
	QEB	SHELBYVILLE	TN
	ECM	CHESTERFLD CO	VA
	KNM	POINT PLEASANT	WV
7.67 /7.07	NMC	LOUISVILLE	KY
6.475/7.075	GBS	MORGANTON	GA
	VGZ	BURLINGTON	NC
7.675/7.075	JXR	SNELLVILLE	GA
	Y	JACKSON	MS
	HBQ	BURLINGTON	NC
	WRP	GIBSONVILLE	NC
	L	NEWTON	NC
	GBI	KNOXVILLE	TN
	PNT	WAYNSBR/BEAR DEN	VA
	QC	MORGANTOWN	WV
7.69 /7.09	CVE	ST SIMONS ISL	GA
	ZAC	HARLAN	KY
	DSN	AMORY	MS
	MRS	NEW HEBRON	MS
	GDF	GREENVL/ESTN NC	NC
	RDN	ORANGEBURG	SC
	JLA	SPARTANBURG	SC
	ATI	GERMANTOWN	TN
	BSA	SPARTA/BON AIR	TN
	VL	GALAX/BRIRP MT	VA
7.705/7.105	YSB	ATLANTA	GA
	D	STATESBORO	GA
	FGA	MARION	KY
	JCK	MONROE	NC
	GHH	MOUNTAIN HOME	NC
	TC	HENDERSON	TN
	JBJ	BEDFORD	VA
	JTH	MT STORM	WV
	T	SPENCER	WV
7.72 /7.12	MM	ALBANY	GA
	S	AUGUSTA	GA
	CMA	CEDARTOWN	GA
	U	BENTON	KY
	ASZ	WINCHESTER	KY
	N	ACKERMAN	MS
	REW	GAST/SPCR MT	NC
	IKY	GIBSONVILLE	NC
	EWL	ROCKY MOUNT	NC
	JMT	MYRTLE BEACH	SC
	ZYX	COLUMBIA	TN
	GMV	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	DKM	BRIDGEPORT	WV
7.735/7.135	BZJ	DALTON	GA
	FRM	MILLEDGEVILLE	GA
	Y	VALDOSTA	GA
	LRQ	PETAL	MS
	CJS	BREVARD/RICH MTN	NC
	ABW	CHERAW	SC
	EDS	ALAMO	TN
	AZJ	PEARISBURG	VA
	HB	RICHMOND	VA
7.75 /7.15	TFW	ALBANY	GA
	BYK	CUMMING/SAWNEE	GA
	III	PEARL	MS
	VLY	MORGANTON	NC
	TQD	RALEIGH	NC
	BJM	MONCKS CORNER	SC
	SDT	SIMPSONVILLE	SC
	PCD	NASHVILLE	TN
	EAJ	OAK RIDGE	TN
	QJZ	JEWELL RIDGE	VA
	SVR	ST. ALBANS	WV
7.765/7.165	KIN	FORSYTH	GA
	MWA	DICKS KNOB	KY
	HBM	LEXINGTON	KY
	RIS	HIGH POINT	NC
	VIA	GREENWOOD	SC
	CEX	PURYEAR	TN
	CTF	NEWPORT NEWS	VA
7.78 /7.18	BMA	AUGUSTA	GA
	NHW	BALDWIN	GA
	BI	SYCAMORE	GA
	H	BAXTER	KY
	RBI	DIXON	KY
	UDQ	INVERNESS	MS
	LFP	PICAYUNE	MS
	EJJ	SANFORD	NC
	CTJ	WILMINGTON	NC
	NAT	DORCHESTER	SC
	SC	FT MILL/CAROWND	SC
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	DES	POLK CTY/OSWALD	TN
	Z	PKS KB/PULASKI	VA
	NMT	LEON	WV
7.795/7.195	SMX	ATLANTA	GA
	RD	CAIRO	GA
	NIN	LENOIR	NC
	WB	MURPHY	NC
	RTS	LYNCHBURG	VA
	H	HORSEPEN MT	WV
7.81 /7.21	TF	CONYERS	GA
	TO	SAVANNAH	GA
	BUZ	GREENSBORO	NC
	MSD	WHITEVILLE	NC
	AVU	LITTLE MT.	SC
	WS	COOKEVILLE	TN
	KMG	HOLSTON MT/BLOUN	TN
	WKZ	JACKSON	TN
	TC	CHARLESTON	WV
7.825/7.225	ZUN	JEFFERSON	GA
	LVY	SUMMERVILLE	GA
	WMH	OLIVE BRANCH	MS
	WTX	HILLSBOROUGH	NC
	DTW	SANTEE	SC
	OAH	MORRISTOWN	TN
	SDC	YORKTOWN	VA
	NRK	PRINCETON	WV
7.84 /7.24	NFG	IRWINTON	GA
	DI	ASHLAND	KY
	AVE	FAIR DEALING	KY
	AI	FRANKFORT	KY
	NAR	MAYFIELD	KY
	R	TUPELO	MS
	NW	CARTHAGE	NC
	ACP	EDEN	NC
	PBG	FOREST CITY	NC
	GHZ	FRANKLIN	NC
	BAL	HILTON HEAD	SC
	AC	LANCASTER	SC
	BKY	GALLATIN	TN
	OG	LUNENBURG CT.HSE	VA
7.855/7.255	KDT	ATLANTA	GA
	CO	HIGHLAND HEIGHTS	KY
	AV	ASHEBORO	NC
	KNI	HENDSVL/PENIC/MT	NC
	SI	PETROS/FRZ HD MT	TN
	TVS	ACCOMAC	VA
	CYZ	DANTE	VA
7.885/7.255	BZU	NASHVILLE	TN
7.87 /7.27	VBH	AMERICUS	GA
	KWT	LOUISVILLE	KY
	GEL	PIKEVILLE	KY
	USN	ABERDEEN	MS
	SXK	VICKSBURG	MS
	H	BENSON	NC
	SM	WAYNESVILLE	NC
	LET	CHARLESTON	SC
	JRJ	SENECA/LONG MT	SC
	BKY	GALLATIN	TN
	FH	JOHNSON CITY	TN
	OWI	MEMPHIS	TN
	TMC	PINSON	TN
	IKL	GUM SPRING	VA
	EHP	SCOTT DEPOT/COAL	WV
7.885/7.285	EVD	ASHBURN	GA
	VBX	ATLANTA/GPCO	GA
	FGA	MARION	KY
	ADM	AIKEN	SC
	DCD	MYT BEA/BRKSVLLE	SC
	MGM	ROCKY SPUR	SC
	PUX	PIKEVILLE	TN
	L	MARTINSVILLE	VA
	HON	SPRUCE KNOB	WV
7.90 /7.30	ACY	PERRY	GA
	YSV	ROME	GA
	U	SALYERSVILLE	KY
	SJH	SPRINGFIELD	KY
	LNY	MAGEE	MS
	YJG	JEFFERSON	NC
	MZP	RED SPRINGS	NC
	OMV	TUCKASEGEE	NC
	LWS	MT. PLEASANT	SC
	BBB	KNOXVILLE	TN
	ADT	MEMPHIS	TN
	ZSA	NASHVILLE	TN
	SPS	FRANKLIN	VA
	ZR	LEXINGTON	VA
	NSL	HARRISVL/PENSBRO	WV
7.915/7.315	REB	TWIN CITY	GA
	IL	SALEM	KY
	RBW	WALKERTOWN	NC
	MR	CLARKSBURG	WV
7.92 /7.32	HWQ	GRUNDY	VA
7.93 /7.33	EXO	LAGRANGE	GA
	DIP	TOCCOA	GA
	KWH	ASHLAND	KY
	CJJ	BOWLING GREEN	KY
	KNE	MT. STERLING	KY
	IUI	PROVIDENCE	KY
	EPP	PHILADELPHIA	MS
	LPL	FAYVLLE/FT BRAGG	NC
	K	LENOIR/HIBRITN	NC
	NUY	COLUMBIA	SC
	VXW	COVINGTON	TN
	ICV	CROSSVILLE	TN
	AJS	NASHVILLE	TN
	DUM	LEXNGTN/ROCK MT.	VA
	ZIP	WARSAW	VA
7.94 /7.34	NEQ	ATLANTA/MARIETTA	GA
7.945/7.345	IZD	LYNCH/BLACK MT	KY
	NYR	SHELBY	NC
	TEP	WASHINGTON	NC
	WF	HENDERSONVILLE	TN
	SJM	GLADYS	VA
	RUA	FRANKLIN	WV
	K	LOGAN/SUMERCO	WV
7.96 /7.36	EQ	DOUGLASVILLE	GA
	HZX	DUBLIN	GA
	Z	LOUISVILLE	KY
	ZAG	LOUISVILLE	MS
	SVC	NATCHEZ	MS
	KDB	BOONE/RICH MTN	NC
	LDB	DURHAM	NC
	Z	LUMBERTON	NC
	EOY	COLUMBIA	SC
	OAK	KNXVL/CROSS MT	TN
	MMI	MEMPHIS	TN
	NTM	NASHVILLE S.	TN
	KLX	PARIS	TN
	MMI	POCAHONTAS	TN
	CBB	CHESTERFIELD	VA
	OLM	STUARTS DRAFT	VA
7/96 /7.36	CJR	HATTIESBURG	MS
7.975/7.375	TQU	ATHENS	GA
	VAK	LAFAYETTE	GA
	CO	WALTON	KY
	YN	BURNSVILLE	NC
	ROK	GREENVILLE	NC
	DMI	GEORGETOWN	SC
	LEO	GREENVILLE	SC
	ILD	LYNCHBURG	VA
	NV	VIRGINIA BEACH	VA
	LNB	GRAFTON	WV
	WMX	ST ALBANS	WV
7.98 /7.38	NAY	PONTOTOC	MS
7.99 /7.39	IMK	THOMASTON	GA
	NON	COVINGTON	KY
	MTN	LA GRANGE	KY
	PDJ	WHTSBRG/PINE MT.	KY
	UNA	PRENTISS	MS
	CHZ	AQUADALE	NC
	PLY	CHARLOTTE	NC
	QBG	EDEN/STONEVILLE	NC
	FAU	SHALLOTTE	NC
	AC	SMITHFIELD	NC
	FEC	LEXINGTON	SC
	TA	CLARKSVILLE	TN
	ZLA	DAYTON/RHEA CTY	TN
	DWQ	SULPHUR SPRINGS	TN
	ARO	PETERSBURG	VA
	CRW	PARKERSBURG	WV
6.19 /7.51	HBY	MEMPHIS	TN
7.075/7.675	NGQ	FRANKFORT	KY
7.315/7.915	SPJ	FORSYTH	GA

220 MHZ

2.14 /3.74	VMI	LEXINGTON	KY
2.30 /3.90	NSO	GAINESVILLE	GA
	RAB	HERMITAGE	TN
2.32 /3.92	AZA	HIGH POINT	NC
2.34 /3.94	UPC	YORKVILLE	GA
	QK	ASHLAND	KY
	BVW	ASHVL/MT PISGAH	NC
	WTX	HILLSBOROUGH	NC
	QP	CLARKSVILLE	TN
	ZJM	MEMPHS/FRAYSER	TN
2.38 /3.98	APS	VALDOSTA	GA
	HUV	LINWOOD	NC
	ILY	GREER	SC
	ZSA	GALLATIN	TN
2.40 /4.00	HQ	DEDTAVILLE	VA
2.42 /4.02	JEH	CONYERS	GA
	GLC	STERLING	GA
	EHF	FAYETTEVILLE	NC
	MDW	HICKORY	NC
2.44 /4.04	BZJ	DALTON	GA
2.46 /4.06	UPC	YORKVILLE	GA
	N	PICKENS/SASFR MT	SC
	BZS	FLAT TOP/WINTRPL	WV
2.48 /4.08	GIS	CARTERSVILLE	GA
	GI	RIDGEVILLE	SC
	UEX	NASHVILLE	TN
2.50 /4.10	F	CORNELIA	GA
	DBB	ROANOKE	VA
2.52 /4.12	NFP	ATLANTA/MARIETTA	GA
	FEC	LITTLE MT	SC
2.54 /4.14	WOR	GREENSBORO	NC
	QHF	PICKENS/CSRS HD	SC
	SQS	FRANKLIN	TN
	M	WILLIAMSON	WV
2.56 /4.16	K	LENOIR/HIBRITN	NC
2.58 /4.18	DAS	VIRGINIA BEACH	VA
2.60 /4.20	UA	AUGUSTA	GA
	KMG	BLOUNTVILLE	TN
	YTU	BROWNSVILLE	TN
	PEA	HAMPDEN-SYDNEY	VA
2.62 /4.22	ACP	MAYODAN MT	NC
	C	ROCKY MOUNT	NC
	FZK	KNOXVILLE	TN
	EHB	SPRINGFIELD	TN
2.64 /4.24	KNI	HENDSVL/BERWLW M	NC
2.66 /4.26	NP	SHORT MTN.	TN
2.68 /4.28	BLR	ATLANTA	GA
	M	LYNCHBURG	VA
2.70 /4.30	PVI	STATESVILLE	NC
2.72 /4.32	JBF	THOMASVILLE	GA
	US	CLEVELAND	TN
	US	CLEVELAND	TN
2.74 /4.34	DOC	ATLANTA	GA
2.76 /4.36	TYO	MARSHALL	NC
2.78 /4.38	RBT	CLEVELAND	GA
	GJG	GAINSVILLE	VA
2.80 /4.40	BFB	CHARLOTTE	NC
	QHF	PICKENS	SC
	YGI	COLLIERVILLE	TN
2.82 /4.42	YSV	ROME	GA
	BS	MEMPHIS	TN
	NDQ	NORTON/HIGH KB	VA
2.84 /4.44	OG	NASHVILLE	TN
2.86 /4.46	YON	KNOXVILLE	TN
2.88 /4.48	PRH	NORCROSS	GA
	ZIA	LOCUST	NC
	QC	PARSONS	WV
2.90 /4.50	TYP	BILOXI	MS
	YNY	WILMINGTON	NC
	BBB	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	BVI	MARTINSVILLE	VA
2.92 /4.52	KSM	WALESKA/PHLGMT	GA
2.94 /4.54	BVW	MT MITCHELL	NC
2.96 /4.56	DOC	ATL/CHESTNUT MT	GA
2.98 /4.58	F	PIKEVILLE	KY
	YHH	SAURATOWN MT	NC
	VFD	CROSS	SC
3.00 /4.60	N	ASHEVILLE	NC
	NNR	HIGH POINT	NC
3.02 /4.62	ZTL	ATLANTA/BELL	GA
	ETG	PIKEVILLE	KY
	P	GLOUCESTER	VA
3.04 /4.64	PEN	RALEIGH	NC
	YHH	WINSTON-SALEM	NC
	MOG	CHATANOOGA	TN
3.06 /4.66	BKM	MACON	GA
	PLA	MARS HILL	NC
	MC	NASHVILLE	TN
3.08 /4.68	SLJ	DALTON	GA
	KPF	LK NORMN/CLT	NC
3.10 /4.70	GY	BAYEST. LOUIS	MS
	RXG	SAURATOWN MT	NC
	ARO	PETERSBURG	VA
3.12 /4.72	MSK	MT. TOXAWAY	NC
3.14 /4.74	KVC	DALTON	GA
	TFU	BURNSVILLE	NC
	PYI	DONELSON	TN
	FG	KINGSTON/LICK KB	WV
3.16 /4.76	BOC	STONE MT	GA
	FXU	SALISBURY	NC

This Index Concludes at Bottom of Next Page.

DISTRIBUTION OF REPEATERS BY FREQUENCY

	GLA	DANVLE/WHITE OAK	VA
3.18 /4.78	D	ACKERMAN	MS
	VCM	CHATTANOOGA	TN
	UCI	JC/BUFFALO MT	TN
	KOG	MEMPHIS	TN
3.20 /4.80	PML	MORGANTON	NC
3.22 /4.82	C	ATLANTA	GA
	MOP	LOUISVILLE	KY
	D	ACKERMAN	MS
	DWU	CANTON	NC
	KQI	GREENSBORO	NC
3.24 /4.84	ACY	PERRY	GA
	DAN	GRIFTON	NC
	OG	NASHVILLE	TN
	PLV	BEDFORD	VA
3.26 /4.86	DWQ	SULPHUR SPRINGS	TN
	UHA	HAMPTON	VA
3.28 /4.88	UPC	YORKVILLE	GA
	RXG	SAURATOWN MT	NC
	DRL	FISHERVILLE	TN
3.30 /4.90	QPL	MARIETTA	GA
	MRB	COVINGTON	KY
	ST	PONTOTOC	MS
	EOY	COLUMBIA	SC
	ZOK	CHATT/SIGNAL MT	TN
3.32 /4.92	NYK	PARIS MT/GRNVL	SC
3.34 /4.94	KXO	AUGUSTA	GA
	UPC	PINE LOG MT.	GA
	EV	ROSSVILLE	GA
	NKM	GREENEVILLE	TN
	PYI	NASHVILLE	TN
	DBB	ROANOKE/POOR MTN	VA
3.36 /4.96	UDS	CHERRYVILLE	NC
	JVX	GOLDSBORO	NC
	WTB	SAURATOWN MT	NC
	TUN	AIKEN	SC
	OLM	STUARTS DRAFT	VA
3.38 /4.98	JSR	CUMMING/SAWNEE	GA

440 MHZ

9.45 /5.67	DOC	ATLANTA	GA
9.25 /1.25	PXX	BRNSWK/JEKYLL IS	GA
	HUV	SAURATOWN MT	NC
	GUP	LEXINGTON	SC
	ERU	MEMPHIS	TN
	ZQ	NASHVILLE	TN
	O	MOUNDSVILLE	WV
9.250/1.250	TPI	PULASKI	TN
9.25 /3.25	UMU	SUMTER	SC
	WIN	NORFOLK	VA
	NOJ	WAYNESBORO	VA
	MM	ALBANY	GA
	AOH	OWENSBORO	KY
	NYR	SHELBY	NC
1.25 /9.25	ERU	MEMPHIS	TN
6.25 /9.25	FHL	ROANOKE/POOR MT.	VA
1.60 /1.60	LJV	MEMPHIS	TN
7.00 /2.00	IQV	MARION	VA
7.025/2.025	JA	AUGUSTA	GA
7.05 /2.05	DXZ	LANETT(AL)	GA
	XV	JASPER	TN
	BEZ	MEDINA	TN
7.10 /2.10	ACP	MAYODAN	NC
	ABJ	MILAN	TN
7.125/2.125	PLP	ROSSVILLE	GA
7.15 /2.15	BEA	RALEIGH	NC
	J	CHATTANOOGA	TN
7.150/2.150	TPI	PULASKI	TN
7.175/2.175	EO	ROCKY FACE	GA
	YUY	ROANOKE	VA
7.20 /2.20	APR	DECATUR	GA
	SBX	GRAY/HOLSTON MT	TN
	BJY	OAKFIELD	TN
	LNB	GRAFTON	WV
7.25 /2.25	IS	GREENVILLE	SC
	HTI	COVINGTON	VA
7.275/2.275	VTT	MACON	GA
7.30 /2.30	VFD	CROSS	SC
7.325/2.325	JSR	CHATTANOOGA	TN
7.40 /2.40	QHF	PICKENS/CSRS HD	SC
	YI	LYNCHBG/JACK MT.	VA
7.50 /2.50	MLF	LOUISVILLE	KY
	NTZ	KNOXVILLE	TN
	CA	ROANOKE/POOR MT	VA
7.500/2.500	YNY	WILMINGTON	NC
7.55 /2.55	JEH	CONYERS	GA
7.625/2.625	NSO	GAINESVILLE	GA
	EPG	MEMPHIS	TN
7.70 /2.70	AZU	SAVANNAH	GA
	VG	ROANOKE/POOR MT.	VA
7.80 /2.80	EPG	JACKSON	TN
7.825/2.825	G	MEMPHIS	TN
7.90 /2.90	AZA	HIGH POINT	NC
7.925/2.925	ASI	COVINGTON	GA
7.95 /2.95	FU	LYNCHBURG	VA
8.00 /3.00	EO	CHATSWORTH	GA
	EOY	COLUMBIA	SC
	ZJM	MEMPHIS	TN
	VL	GALAX/PT LOOKOUT	VA
8.05 /3.05	JVX	GOLDSBORO	NC
	PUB	MT JULIET	TN
8.10 /3.10	IZD	LYNCH/BLACK MT	KY
	GQC	SAURATOWN MT	NC
	N	GRNVLE/PARIS MT	SC
	GPM	FAYETTEVILLE	TN
	FHE	BUCKHANNON	WV
8.15 /3.15	S	AUGUSTA	GA
8.20 /3.20	CLA	SWEAT MT	GA
8.30 /3.30	X	ATHENS	GA
	KQI	SPOON MT.	NC
	KJH	GATLBG/COVE MT	TN
8.325/3.325	JMD	STOCKBRIDGE	GA
	JMD	STOCKBRIDGE	GA
8.35 /3.35	LFU	RICHMOND	VA
8.40 /3.40	WTB	SAURATOWN MT	NC
	TUN	AIKEN	SC
	DBJ	CUMBERLAND CITY	TN
	QWW	MEMPHIS	TN
8.425/3.425	SQC	J.CITY/HOLSTN MT	TN
8.45 /3.45	VAK	HIGH PT/LOOKT MT	GA
8.50 /3.50	LVH	ATLANTA	GA
	X	LAUREL	MS
	PQZ	GREENSBORO	NC
	WKS	PARIS/GROVE HL	TN

8.55 /3.55	IN	LAWRENCEVILLE	GA
	XE	ROARING GAP	NC
8.60 /3.60	BA	MARIETTA	GA
	HYE	MENDENHALL	MS
	DWU	MT MITCHELL	NC
8.625/3.625	PTK	JAMESTOWN	TN
8.65 /3.65	ZV	ATLANTA	GA
	D	ACKERMAN	MS
	UMI	HAMPTON	VA
	BON	ROANOKE/POOR MT.	VA
8.70 /3.70	KGU	HATTIESBURG	MS
	LXW	HIGH POINT	NC
	LBT	LOCUST	NC
8.75 /3.75	TF	COVINGTON	GA
	EDS	ALAMO	TN
	WIC	WINDY GAP MT	VA
8.80 /3.80	OKS	JASPER/BIG BUCK	GA
	IAT	NATCHEZ	MS
	HNK	SUMMERVILLE	SC
	NDH	CHESAPEAKE	VA
	JRL	WYTHEVILLE	VA
8.85 /3.85	PN	WALESKA/PNLOG MT	GA
	ULM	FRANKLIN	TN
8.875/3.875	MZ	HAW RIVER	NC
	LZQ	CAESARS HEAD	SC
8.90 /3.90	GWA	GRIFFIN	GA
	EVG	CHESAPEAKE	VA
8.925/3.925	IU	RINGGOLD	GA
8.95 /3.95	RYF	MEMPHIS	TN
	NTG	WILLIAMSBURG	VA
8.975/3.975	BRN	MEMPHIS	TN
9.00 /4.00	QDX	LAWRENCEVILLE	GA
	CO	JACKSON	MS
	JEQ	HICKORY	NC
	YP	SELMA	NC
	ADT	MEMPHIS	TN
	NEI	ROCKWOOD	TN
	SN	PORTSMOUTH	VA
	IT	MULLINS/HRNDN MT	WV
9.025/4.025	MSE	STONE MT	GA
	RDK	MEMPHIS	TN
9.05 /4.05	PQD	MARIETTA	GA
	OG	NASHVILLE	TN
	OLM	STUARTS DRAFT	VA
9.10 /4.10	MNI	BOWLING GREEN	KY
	WTT	LOUISVILLE	KY
	WUX	MERIDIAN	MS
	WTX	DURHAM	NC
	AM	CHATTANOOGA	TN
	JXT	MEMPHIS	TN
	RAG	STAIMTPM/EL KNB	VA
9.15 /4.15	ZTL	ATLANTA/BELL	GA
	BJT	CLERMONT HARBOR	MS
	NTM	NASHVILLE	TN
	DLK	LEXNGTN/ROCK MT.	VA
9.20 /4.20	LBM	DECATUR	GA
	QHN	PHENIX CITY (AL)	GA
	U	MAYTOWN	KY
	NHN	COLUMBIA	SC
	YTU	BROWNSVILLE	TN
	NEX	MORRISTOWN	TN
	ECM	CHESTER/ENON	VA
	EZA	WAYNESBORO	VA
9.25 /4.25	BOC	ATLANTA/STONE MT	GA
	KNI	HENDSVL/BERWLW M	NC
	F	SMITHFIELD	NC
	PAJ	BARTLETT	TN
	TFZ	CHARLOTTESVILLE	VA
9.30 /4.30	ZZD	LOUISVILLE	KY
	WOR	GREENSBORO	NC
	MNH	CHARLESTON	SC
	DRL	FISHERVILLE	TN
	GBI	KNOXVILLE	TN
9.325/4.325	BA	MARIETTA	GA
9.35 /4.35	JF	TIFTON	GA
	OCP	HIGHLAND HEIGHTS	KY
	IKY	GIBSONVILLE	NC
	BKY	GALLATIN	TN
	DBB	BEDFD/APL ORCH	VA
9.375/4.375	IZF	JASPER	GA
9.40 /4.40	UA	BLYTHE	GA
	ZW	FAYETTEVILLE	NC
	KOG	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	ARO	PETERSBURG	VA
	BZS	BECKLEY	WV
9.425/4.425	J	CHATTANOOGA	TN
	ISI	ALTAVISTA	VA
9.45 /4.45	YTU	BROWNSVILLE	TN
	KWP	GALLATIN	TN
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	APA	HENDERSON	KY
	MOP	LOUISVILLE	KY
	ICX	LEXINGTON	NC
	PEN	RALEIGH	NC
	LSP	BRISTOL/HLST MT	TN
	KSL	KNOXVILLE	TN
	IZF	MEMPHIS	TN
	HEX	LYNCHBURG	VA
9.55 /4.55	NEF	TYRONE	GA
	VTE	GASTONIA	NC
	SBX	GRAY/HOLSTON MT	TN
	JPA	HAMPTON	VA
9.575/4.575	OG	NASHVILLE	TN
9.60 /4.60	BFB	CHARLOTTE	NC
	NK	KNOXVILLE	TN
	JXI	MEMPHIS	TN
	EZR	HUNTINGTON	WV
9.625/4.625	WQ	ATLANTA	GA
	MZ	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	ST	PONTOTOC	MS
	HF	SALISBURY	NC
	NKM	GREENEVILLE	TN
	ARO	RICHMOND	VA
	QC	PARSONS	WV
9.675/4.675	EBZ	NEWNAN	GA
	AY	NASHVILLE	TN
9.70 /4.70	LUQ	DALLAS	GA
	HHH	ELLIJAY TALONA M	GA
	APS	VALDOSTA	GA
	I	BRANDON	MS
	JEH	ROCKY MOUNT	NC

	DRU	MT PLEASANT	SC
	LG	MORGANTOWN	WV
9.725/4.725	NFA	WATKINSVILLE	GA
9.75 /4.75	EMM	CONYERS	GA
	VZF	STARKVILLE	MS
	TC	HENDERSON	TN
	KQI	FOREST	VA
9.775/4.775	MEQ	ATLANTA/MARIETTA	GA
9.80 /4.80	BEJ	ELIZABETHTOWN	KY
	CO	JACKSON	MS
	J	GREENVILLE	NC
	UY	MT AIRY/FSH PK	NC
	JXI	MEMPHIS	TN
	LP	MORRISTOWN	TN
	MIC	OILVILLE	VA
	FRV	BECKLEY/KINGSTON	WV
	CUL	MORGANTOWN	WV
9.825/4.825	ZBP	STAUNTON	VA
4.85 /4.85	BZJ	DALTON	GA
9.85 /4.85	WRE	POPLARVILLE	MS
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	ARO	RICHMOND	VA
9.875/4.875	LRD	CHATTANOOGA	TN
	BOX	JACKSON	TN
	FMD	JANE LEW	WV
9.90 /4.90	RNW	LOUISVILLE	KY
	D	ACKERMAN	MS
	COS	ASHVL/MT PISGAH	NC
	ZW	FAYETTEVILLE	NC
	VBC	NEW BERN	NC
	J	WILSON	NC
	MMI	MEMPHIS	TN
	QT	RIDGEWAY	VA
9.925/4.925	NNO	ATLANTA	GA
	BUH	ANDERSON/SAS MT	SC
9.95 /4.95	I	AUGUSTA	GA
	KIN	PERRY	GA
	EJA	LEXINGTON	KY
	WXL	RALEIGH	NC
	SIR	BENTON/BEAN MT	TN
	GP	CLARKSVILLE	TN
	KQQ	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINA BEACH	VA
	CQV	S. CHARLESTON	WV
9.975/4.975	YNZ	ATLANTA	GA
	TVE	BRUNSWICK	GA
	TAT	ASHLAND	KY
	NS	CUSTER	KY
	EKT	WHEELING	WV
	EKT	WHEELING	WV
6.65 /6.65	DBB	ROANOKE	VA
3.85 /8.85	YSV	WALUSKA/PINE LOG	GA
4.60 /9.60	SJH	SPRINGFIELD	KY
4.825/9.825	DOC	ATLANTA	GA
6.25 /3.25	HEX	LYNCHBURG	VA

920 MHZ

0.00 /0.00	UA	AUGUSTA	GA

1270 MHZ

7.25 /9.25	MEY	NASHVILLE	TN
1.40 /1.40	DOC	ATL/CHESTNUT MT	GA
2.00 /2.00	AQS	CALHOUN/JASPER	GA
2.00 /2.00	KIN	ATLANTA/BELL	GA

The By-City Index Appears On Following Pages

Change In Repeater Index Listings

The Repeater Journal Repeater Index has made some additional changes in the listings.

For years, we have listed T-MARC (The Mid-Atlantic Repeater Council) repeaters of Northern Virginia and the Panhandle of West Virginia in our regular Virginia and West Virginia listings.

To more accurately depict actual repeaters under the umbrella of SERA, we have broken out those T-MARC repeaters, which are under their coordination jurisdiction from our SERA territory listings. We will continue to list these repeaters, and update them as much as possible. The new listings will show the T-MARC Virginia repeaters under a separate "Northern Virginia" category, and the Panhandle listings under "Eastern West Virginia." We hope this will make our lists more accurately portray actual SERA repeaters, yet continue the service of listing all of Virginia and West Virginia for our readers. Our SERA computer database has been changed to correspond with this index change.

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	*	PA
ALBEMARLE	K4OGB	146.385	146.985	*	A
AQUADALE	WA4CHZ	147.99	147.39	*	
ASHEBORO	KJ4AV	147.855	147.255	*	PAL
ASHEVILLE	WA4QCO	146.235	146.835	D	
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	*	
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	*	A
BENSON	AK4H	147.87	147.27	*	PA
BOONE/RICH MTN	WA4KDB	147.96	147.36	*	
BREVARD/RICH MTN	WB4CJS	147.735	147.135	*	A
BURGAW	W4DLH	146.34	146.94	*	
BURLINGTON	WA4YGD	146.07	146.67	*	A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	*	PAK
CHARLOTTE	W4BFB	144.63	145.23	D	
CHARLOTTE	W4BFB	144.69	145.29	D	A
CHARLOTTE	WA4AOS	144.75	145.35	D	L
CHARLOTTE	W4BFB	146.34	146.94	D	A
CHARLOTTE	W4CQ	146.46	147.06		A
CHARLOTTE	WD4PLY	147.99	147.39	N	PA
CHERRY MT	WA4BKU	146.07	146.67	N	
CHERRYVILLE	K4JTX	144.55	145.15	N	
CLINTON	WA4LZD	146.19	146.79	N	
CONCORD/KANNAP.	K4CEB	146.055	146.655	*	PA
CROWDERS MT	WD4PLY	144.85	145.45	*	
DUNN	N4CID	146.10	146.70	*	PA
DURHAM	WA4WTX	144.85	145.45	*	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	*	A
EDEN	WA4ACP	147.84	147.24	D	T
EDEN/STONEVILLE	WA4QBG	147.99	147.39	*	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
FAYETTEVILLE	N4EWG	146.205	146.805	D	
FAYETTEVILLE	WA4FLR	146.445	147.045	N	R
FAYVLLE/CFARS	WB4YZF	146.31	146.91	N	PA
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	*	
FOREST CITY	K4PBG	147.84	147.24	*	A
FRANKLIN	W4ZCZ	144.89	145.49	*	
FRANKLIN	W4GHZ	147.84	147.24	*	
GAST/SPCR MT	W4REW	147.72	147.12	*	PA
GASTONIA	K4NOQ	146.205	146.805	D	PA
GIBSONVILLE	KB4WRP	146.475	147.075	*	
GIBSONVILLE	WB4IKY	147.72	147.12	*	ARB
GOLDSBORO	K4CYP	146.25	146.85	*	A
GREENSBORO	N4GGD	144.65	145.25	D	A
GREENSBORO	K4SNI	146.01	146.61	D	A
GREENSBORO	N4GGD	146.16	146.76	D	
GREENSBORO	W4GG	147.63	147.03	*	PAL
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENVILLE	N4GVK	144.75	145.35	*	AEAL
GREENVILLE	K4ROK	147.975	147.375		A
GREENVL/ESTN NC	W4GDF	147.69	147.09	*	
GRIFTON	W4NBR	146.085	146.685	D	
HALIFAX	AA4SJ	146.07	146.67	N	A
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW M	WA4KNI	144.67	145.27	*	A
HENDSVL/PENIC/MT	WA4KNI	147.855	147.255	*	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	N	
HIGH POINT	N4XO	144.81	145.41	*	A
HIGH POINT	K4AZA	146.40	147.00	D	LA
HIGH POINT	KB4BPV	147.435	146.835	N	PAL
HIGH POINT	WA4RIS	147.765	147.165	*	PA
HILLSBOROUGH	WA4WTX	147.825	147.225	*	AL
JACKSONVILLE	WD4FVO	146.40	147.00	D	A
JEFFERSON	W4YJG	147.90	147.30	*	A
KINSTON	N4HAJ	144.87	145.47	*	
LAURINBURG	K4QWK	146.025	146.625	*	PAEA
LENOIR	N4NIN	147.795	147.195	*	
LENOIR/HIBRITN	KN4K	147.93	147.33	*	
LEXINGTON	WD4ICX	144.71	145.31	D	AEA
LEXINGTON	K4IZM	146.31	146.91	D	AEA
LK NORMN/CLT	WB4KPF	147.615	147.015	*	PA
LONG BEACH	K4JYH	146.175	146.775	*	
LUMBERTON	WV4Z	147.96	147.36	*	PA
MACO	WA4LED	147.66	147.06	*	PA
MADISON	KA4YFF	146.295	146.895	N	
MAGGIE VALLEY	W4HCY	147.405	146.805	D	
MANTEO/WANCHESE	W4ACY	146.34	146.94	*	
MARION	WD4PVE	146.385	146.985	D	A
MAYODAN	WA4ACP	144.69	145.29	D	
MILLERS CREEK	N4GGN	146.115	146.715	D	A
MONROE	K4JCK	147.705	147.105	D	A
MONROE/UCARS	KF4NJ	144.79	145.39	*	PA
MORGANTON	K4VLY	147.75	147.15	*	
MOUNTAIN HOME	K4GHH	147.705	147.105	*	
MT AIRY	WA4ZAS	146.37	146.97	N	EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94	N	R
MT MITCHELL	WA4BVW	144.59	145.19	*	
MT. AIRY	KD4J	144.73	145.33	*	A
MURPHY	KC4WB	147.795	147.195	N	
N. WILKESBORO	N4AGN	144.77	145.37	*	PA
NAGS HEAD/BODIE	N4JXG	146.235	146.835	*	PAEA
NEW BERN	WD4JMS	146.01	146.61	*	AL
NEWPORT	K4GRW	144.85	145.45	*	ALO
NEWTON	AG4L	147.675	147.075	*	AEAR
NEWTON/ANDSN MT	W4ZQB	144.57	145.17	N	
OXFORD	KA4RVS	144.57	145.17	*	PA
OXFORD	WA4MII	144.77	145.37	N	
RALEIGH	N4BEA	144.67	145.27	*	PAL
RALEIGH	K4BWC	144.89	145.49	*	R
RALEIGH	W4DW	146.04	146.64	*	PA
RALEIGH	K4BWC	146.13	146.73	*	PA
RALEIGH	WB4TQD	146.28	146.88	*	L
RALEIGH	WB4TQD	147.75	147.15	N	PA
RANDLEMAN/GBO	WD4CVM	144.55	145.15	D	L
RED SPRINGS	W4MZP	147.90	147.30	*	PA
REIDSVILLE	K4YFT	146.25	146.85	N	
ROANOKE RAPIDS	WA4DTS	147.63	147.03	*	PA
ROARING GAP	WB4PZA	146.22	146.82	*	
ROB/JOANNA BLD	WD4CNS	146.445	147.045	N	
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12	*	EA
SALISBURY	W4EXU	146.13	146.73	*	EAL
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	*	R
SAURATOWN MT	W4NC	144.87	145.47	*	
SAURATOWN MT	N4QDK	146.19	146.79	D	PA
SHALLOTTE	K4PPD	144.77	145.37	*	PAEA
SHALLOTTE	N4FAU	147.99	147.39	*	PAEA
SHELBY	W4NYR	146.28	146.88	*	
SHELBY	W4NYR	147.945	147.345	*	PA
SMITHFIELD	KD4JQ	146.37	146.97	D	A
SMITHFIELD	W2AC	147.99	147.39	N	
SPARTA/GREEN MT	K4ITL	144.83	145.43	N	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685	*	PA
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	
SWANSBORO	KO4S	146.16	146.76	*	A
TABOR CITY	W4DCD	146.175	146.775	D	ALRB
TRENTON	WB4TQD	144.61	145.21	*	L
TUCKASEGEE	W8OMV	147.90	147.30	N	
WADESBORO	W4USH	146.235	146.835	*	
WALKERTOWN	WA4RBW	147.915	147.315	*	
WASHINGTON	WA4TEP	147.945	147.345		
WAXHAW	WA4ZRS	147.465	146.865	*	PA
WAYNESVILLE	N4SM	147.87	147.27	*	A
WHITEVILLE	K4MSD	147.81	147.21	*	AL
WILLIAMSTON	KA4KNU	144.81	145.41	*	A
WILMINGTON	W4VNK	146.13	146.73	N	PA
WILMINGTON	K4GMP	146.22	146.82	N	L
WILMINGTON	N4CTJ	147.78	147.18	N	AL
WILSON	WB4THL	146.16	146.76	D	A
WINSTON-SALEM	W4NC	146.04	146.64	*	AL

220 MHZ

ASHEVILLE	NC4N	223.00	224.60	*	A
ASHVL/MT PISGAH	WA4BVW	222.34	223.94	*	
BURNSVILLE	N4TFU	223.14	224.74	N	
CANTON	N4DWU	223.22	224.82	*	PA
CHARLOTTE	W4BFB	222.80	224.40	N	A
CHERRYVILLE	WB4UDS	223.36	224.96	N	
FAYETTEVILLE	W4EHF	222.42	224.02	D	L
GOLDSBORO	WB3JVX	223.36	224.96	*	EAT
GREENSBORO	WB4WOR	222.54	224.14	*	OK
GREENSBORO	KB4KQI	223.22	224.82	N	PAL
GRIFTON	WA4DAN	223.24	224.84	*	L
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	*	
HICKORY	WA4MDW	222.42	224.02	N	
HIGH POINT	K4AZA	222.32	223.92	D	LA
HIGH POINT	N4NNR	223.00	224.60	*	PAL
HILLSBOROUGH	WA4WTX	222.34	223.94	*	L
LENOIR/HIBRITN	KN4K	222.56	224.16	*	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	*	
LOCUST	WA4ZIA	222.88	224.48	*	PAL
MARS HILL	WB4PLA	223.06	224.66	N	L
MARSHALL	KA4TYO	222.76	224.36	N	L
MAYODAN MT	WA4ACP	222.62	224.22	D	T
MORGANTON	WB4PML	223.20	224.80	*	T
MT MITCHELL	WA4BVW	222.94	224.54	*	
MT. TOXAWAY	K4MSK	223.12	224.72	N	
RALEIGH	WA4PEN	223.04	224.64	*	PAL
ROCKY MOUNT	NF4C	222.62	224.22	*	ARB
SALISBURY	W4EXU	223.16	224.76	*	L
SAURATOWN MT	WA4YHH	222.98	224.58	*	
SAURATOWN MT	W4RXG	223.10	224.70	D	R

MORE NORTH CAROLINA REPEATERS

SAURATOWN MT	W4RXG	223.28	224.88	D	
SAURATOWN MT	WA4WTB	223.36	224.96	*	
STATESVILLE	WA4PVI	222.70	224.30	D	
WILMINGTON	K4YNY	222.90	224.50	*	LRB
WINSTON-SALEM	WA4YHH	223.04	224.64	*	PA

440 MHZ

ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CHARLOTTE	W4BFB	449.60	444.60	D	
CHARLOTTE	W4CQ	449.85	444.85		
DURHAM	WA4WTX	449.10	444.10	*	AL
FAYETTEVILLE	KB4ZW	449.40	444.40	N	
FAYETTEVILLE	KB4ZW	449.90	444.90	N	P
GASTONIA	WB4VTE	449.55	444.55	N	
GIBSONVILLE	WB4IKY	449.35	444.35	*	A
GOLDSBORO	WB3JVX	448.05	443.05	*	EAL
GREENSBORO	WD4PQZ	448.50	443.50	*	ALRB
GREENSBORO	WB4WOR	449.30	444.30	*	C
GREENVILLE	AI4J	449.80	444.80	N	
HAW RIVER	K2MZ	448.875	443.875	*	T
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	*	
HICKORY	K4JEQ	449.00	444.00	*	O
HIGH POINT	K4AZA	447.90	442.90	D	L
HIGH POINT	N4LXW	448.70	443.70	N	
LEXINGTON	WD4ICX	449.50	444.50	D	
LOCUST	WA4LBT	448.70	443.70	*	PAL
MAYODAN	WA4ACP	447.10	442.10	D	
MT AIRY/FSH PK	KF4UY	449.80	444.80	*	LRB
MT MITCHELL	N4DWU	448.60	443.60	*	
NEW BERN	WA4VBC	449.90	444.90	*	O
RALEIGH	N4BEA	447.15	442.15	*	L
RALEIGH	WA4PEN	449.50	444.50	*	PAL
RALEIGH	WA1WXL	449.95	444.95	D	
ROARING GAP	KC4XE	448.55	443.55	*	L
ROCKY MOUNT	N4JEH	449.70	444.70	*	PA
SALISBURY	KJ4HF	449.65	444.65	D	ARB
SAURATOWN MT	WA4HUV	439.25	421.25	D	V
SAURATOWN MT	N4GGC	448.10	443.10	D	L
SAURATOWN MT	WA4WTB	448.40	443.40	*	C
SELMA	KK4YP	449.00	444.00	N	
SHELBY	W4NYR	439.25	427.25	*	V
SMITHFIELD	WK2F	449.25	444.25	N	
SPOON MT.	KB4KQI	448.30	443.30	N	RB
WILMINGTON	K4YNY	447.500	442.500	*	ALRB
WILMINGTON	K4GMP	449.85	444.85	N	
WILSON	NE4J	449.90	444.90	D	

10 METERS

MAYODAN	WA4ACP	29.56	29.66	D	T
NEWPORT	K4GRW	29.56	29.66	*	P
WILKESBORO	KC4XE	29.52	29.62	*	L

6 METERS

ANDERSON MT.	WA4PXV	52.05	53.05	*	RBL
HIGH POINT	K4AZA	52.525	52.525	D	RB
NEWPORT	K4GRW	52.01	53.01	*	P
RALEIGH	WA4PEN	52.03	53.03	*	
RALEIGH/BUTNER	WB4RZF	52.25	53.25	N	C

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WA8AVZ	146.13	146.73	N	
BECKLEY/BOLT	N8FRV	144.57	145.17	*	AL
BECKLEY/EOC	N8FWL	144.77	145.37	D	LA
BECKLEY/FLAT TOP	K8BO	146.25	146.85	D	A
BECKLEY/LAYLAND	N8BZS	144.71	145.31	*	L
BLUEFIELD	W8MOP	144.89	145.49	D	PA
BRIDGEPORT	WB8DKM	147.72	147.12	*	PAT
BUCKHANNON	N8FHE	144.53	145.13	*	A
BUCKHANNON	N8FHE	144.81	145.41	*	A
BUCKHANNON	WD8L	146.25	146.85	*	
CHARLESTON	WD8OZT	144.75	145.35	N	
CHARLESTON	WS8L	144.83	145.43	*	A
CHARLESTON	WB8IFS	146.22	146.82	N	A
CHARLESTON	WB8CQV	146.28	146.88	N	
CHARLESTON	KD8TC	147.81	147.21	D	
CLARKSBURG	N8FMD	146.085	146.685	*	
CLARKSBURG	KE8MR	147.915	147.315	*	
CRAIGSVILLE	KD8OG	144.67	145.27	N	L
ELK GARDEN	N8FMD	146.145	146.745	*	
ELKINS	KB8BWZ	146.175	146.775	N	
FAIRMONT	W8SP	146.30	146.90	N	NB
FLAT TOP/WINTRPL	N8BZS	146.025	146.625	*	A
FRANKLIN	W3RUA	147.945	147.345	*	
GASSAWAY	WB8MZI	146.01	146.61	N	
GLENVILLE	KA8ZXP	144.69	145.29	*	EA
GRAFTON	WD8LNB	147.975	147.375	*	L
GRANTSVILLE	N8FXC	144.85	145.45	*	PA
HARRISVL/PENSBRO	WB8NSL	147.90	147.30	N	
HORSEPEN MT	NV8H	147.795	147.195	D	
HUNTINGTON	WB8FEQ	144.61	145.21	N	R
HUNTINGTON	W8VA	146.16	146.76	N	A
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	*	EARB
KINGSTON/LICK KB	W8FG	144.87	145.47	D	
LEON	WB8NMT	147.78	147.18	N	
LIBERTY	W8HYX	144.81	145.41	*	
LOGAN/SUMERCO	NU8K	147.945	147.345	D	L
LOGAN/WARD RK MT	KJ8E	146.37	146.97	D	PAL
MARMET/BEE MT	K8HDB	144.55	145.15	N	
MCMECHEN	WA8ULB	146.31	146.91	*	
MONTGOMERY	KD8VT	144.65	145.25	N	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	*	PAL
MORGANTOWN	KE8QC	147.675	147.075	*	PAL
MT STORM	KA8JTH	147.705	147.105	N	L
MULLINS/HRNDN MT	KC8IT	147.63	147.03	*	RB
NEW MARTINSVLLE	WB8CSW	147.54	146.94	N	NB
OAK HILL	W8OQC	146.19	146.79	*	EA
PARKERSBURG	WF8U	146.145	146.745	*	AEA
PARKERSBURG	WA8CRW	146.37	146.97	*	A
PARKERSBURG	WA8CRW	147.99	147.39	*	PA
PARSONS	KE8QC	144.73	145.33	*	ALRB
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KA8PNC	146.46	147.06	*	A
PRINCETON	WB8NRK	147.825	147.225	*	A
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	
RAVENSWOOD	WD8JNU	146.10	146.70	N	R
RICHWOOD	WB8YJJ	144.59	145.19	N	
SALT ROCK	WD8MCR	144.51	145.11	N	
SCOTT DEPOT/COAL	N8BHP	147.87	147.27	*	PAEA
SHERRARD	KD8GL	146.115	146.715	*	EAPA
SPENCER	WT8T	147.705	147.105	N	
SPRUCE KNOB	N8HON	147.885	147.285	*	L
ST ALBANS	WB8GDY	146.40	147.00	*	
ST ALBANS	KA8SVR	147.75	147.15	*	PAEA
ST ALBANS	K8WMX	147.975	147.375	*	R
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	*	
TERRA ALTA	KD8ZR	147.60	147.00	*	AEA
UPPER TRACT	KB8BUC	146.055	146.655	N	
WEIRTON	KC8JN	146.34	146.94	N	A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	PA
WHEELING	WB8JGY	144.59	145.19	D	PAL
WILLIAMSON	WR8M	144.73	145.33	*	ARB

220 MHZ

FLAT TOP/WINTRPL	N8BZS	222.46	224.06	*	A
KINGSTON/LICK KB	W8FG	223.14	224.74	D	
PARSONS	KE8QC	222.88	224.48	*	ALRB
WILLIAMSON	WR8M	222.54	224.14	*	

440 MHZ

BECKLEY	N8BZS	449.40	444.40	*	A
BECKLEY/KINGSTON	N8FRV	449.80	444.80	*	
BUCKHANNON	N8FHE	448.10	443.10	*	
GRAFTON	WD8LNB	447.20	442.20	*	L
HUNTINGTON	WB8EZR	449.60	444.60	*	C
JANE LEW	N8FMD	449.875	444.875	*	L
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	D	PAL
MOUNDSVILLE	KY8O	439.25	421.25	N	V
MULLINS/HRNDN MT	KC8IT	449.00	444.00	*	LRB
PARSONS	KE8QC	449.65	444.65		ALRB
S. CHARLESTON	WB8CQV	449.95	444.95	N	
WHEELING	N8EKT	449.975	444.975	N	
WHEELING	N8EKT	449.975	444/975	N	

10 METERS

PARSONS	KE8QC	29.55	29.65	*	TL

6 METERS

BOLT/BOLT MT	N8DKL	52.05	53.05	N	
ST ALBANS/COAL	WD8JKA	52.03	53.63	N	ATNB

E. WEST VIRGINIA REPEATERS

*Listing Updates Supplied Courtesy of T-MARC

10 METERS

BERKELEY SPRINGS	KK3L	29.52	29.62		M

2 METERS

CHARLES TOWN	N8EIV	146.385	146.985	M	M
MARTINSBURG	WA8FSE	144.55	145.15	M	M
MARTINSBURG	WB8VAZ	147.855	147.255	M	M

VIRGINIA REPEATERS

2 METERS

ABINGDN/BRMLY MT	K4LSP	146.01	146.61	N	L
ABINGDON	N4AKZ	146.34	146.94	N	A
ACCOMAC	WA4TVS	147.855	147.255	★	EA
ALTAVISTA	WA4ISI	146.055	146.655	★	AL
BARREN SPRINGS	K4HZS	146.07	146.67	★	
BEDFD/APL ORCH	WB4DBB	144.63	145.23	★	
BEDFORD	WB4JBJ	147.705	147.105	N	PAL
BLACKSBURG	AB9I	146.115	146.715	★	
BLAND	N4AZJ	144.75	145.35	★	PARB
BLUEFIELD	W8MOP	144.89	145.49	D	PA
BRISTOL	WD4CYZ	146.28	146.88	N	
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	★	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	★	
CHASE CITY	W4AXH	146.31	146.91	★	
CHESAPEAKE	K4NDH	144.69	145.29	D	EA
CHESAPEAKE	N4GSP	146.01	146.61	★	AEA
CHESAPEAKE	N4SD	146.19	146.79	★	AEA
CHESTERFIELD	KA4CBB	147.96	147.36	★	
CHESTERFLD CO	WA4ECM	147.66	147.06	★	A
COVINGTON	WA4HTI	146.205	146.805	★	L
DANTE	WD4CYZ	147.855	147.255	N	
DANVILLE(DCC)	WB4GJG	146.325	146.925	★	AEA
DANVILLE/WHT OAK	K4WQS	146.10	146.70	★	PA
FARMVILLE	WA4QQI	144.73	145.33	★	
FINCASTLE	W4WIC	146.04	146.64	★	L
FRANKLIN	K4SPS	147.90	147.30	★	PAEA
GALAX	WA4ZIV	144.79	145.39	N	PAT
GALAX/BRIRP MT	N4VL	147.69	147.09	★	A
GALAX/LKOUT MT	N4VL	144.53	145.13	★	RB
GLADYS	N4SJM	147.945	147.345	N	PARB
GLOUCESTER	NB4P	144.77	145.37	★	EA
GRUNDY	K4HWQ	147.92	147.32	N	ANB
GRUNDY/BIG A MT	WD4DCX	146.235	146.835	N	L
GUM SPRING	WB4IKL	147.87	147.27	★	
HAMPTON	K4DHO	146.13	146.73	★	PA
HAMPTON	K4UMI	146.34	146.94	N	T
JEWELL RIDGE	WB4QJZ	147.75	147.15	N	
KILMARNOCK	W2MS	144.61	145.21	★	A
LEESVILLE	N4UTN	146.235	146.835	N	PA
LEXINGTON	KI4ZR	146.07	146.67	★	RB
LEXINGTON	KI4ZR	147.90	147.30	★	A
LEXNGTN/ROCK MT.	WA4DUM	147.93	147.33	N	
LUNENBURG CT.HSE	AA4OG	147.84	147.24	★	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	AB4M	146.415	147.015	★	PA
LYNCHBURG	WA4RTS	147.795	147.195	★	
LYNCHBURG	KB4ILD	147.975	147.375	N	PA
MARION	KC4IH	146.04	146.64	N	A
MARTINSVILLE	AB4L	147.885	147.285	★	
MIDDLEBROOK	W4WRN	146.37	146.97	N	EA
MOUNTAIN LAKE	KD8MZ	147.465	146.865	★	PAL
MT.LAKE/BALD KNB	K4TUE	146.31	146.91	D	
NEWPORT NEWS	KB4ORI	144.63	145.23	N	
NEWPORT NEWS	WA4OHX	144.89	145.49	★	AT
NEWPORT NEWS	WB4CTF	147.765	147.165	★	PALR
NORFOLK	WA4ZUA	144.57	145.17	★	EARB
NORFOLK	NE4D	146.10	146.70	★	EA
NORTON/HIGH KNOB	K4AXO	146.415	147.015	N	L
ONEIDA PEAK/BLF	KD8MZ	146.355	146.955	★	PAL
PEARISBURG	N4AZJ	147.735	147.135	★	
PENNINGTON GAP	N4LQC	146.10	146.70	D	
PETERSBURG	K4ARO	144.55	145.15	★	
PETERSBURG	K4ARO	147.99	147.39	★	
PKS KB/PULASKI	KT4Z	147.78	147.18	★	PA
PORTSMOUTH	W4POX	146.25	146.85	★	AEA
RICHMOND	K4YPE	144.51	145.11	D	A
RICHMOND	WB4FAX	144.59	145.19	★	A
RICHMOND	W4SQT	144.83	145.43	★	PA
RICHMOND	WB4QEY	146.04	146.64	D	PA
RICHMOND	WA4ZBE	146.28	146.88	★	PA
RICHMOND	W4ZA	146.34	146.94	★	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	★	T
ROANOKE	N4AP	146.34	146.94	N	A
ROANOKE/POOR MT	KC4DY	146.145	146.745	★	PA
ROANOKE/POOR MT	W4CA	146.385	146.985	★	PAL
ROANOKE/POOR MT.	WB4QOJ	144.61	145.21	D	RVKL
SALEM	W4PDL	146.28	146.88	★	
STAUNTON	W4XD	146.10	146.70	★	
STAUNTON	WA4ZBP	146.25	146.85	★	RBR
STAUNTON/EL. KB	N4RAG	147.645	147.045	D	
STUARTS DRAFT	KB4OLM	147.96	147.36	N	
SUFFOLK/GASBURG	WA4HMT	146.40	147.00	★	PAEA
VIRGINIA BEACH	WA4KXV	146.295	146.895	★	
VIRGINIA BEACH	WA4KXV	146.37	146.97	★	EA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	D	
VOLENS	WD4LBM	146.46	147.06	★	PA
WARSAW	KA4ZIP	147.93	147.33	★	EA
WAYNESBORO	W4BLD	147.63	147.03	★	O
WAYNSBR/BEAR DEN	W4PNT	147.675	147.075	D	PAEA
WILLIAMSBURG	W4NTG	146.07	146.67	D	
WILLIAMSBURG	KB4ZIN	146.16	146.76	★	A
WYTHEVILLE	KC4VR	146.175	146.775	★	AL
WYTHEVL/SAND MT.	WD4MUQ	144.67	145.27	★	
YORKTOWN	WD4SDC	147.825	147.225	N	PAT

220 MHZ

BEDFD/APL ORCH	WB4DBB	223.94	222.34	D	RBL
BEDFORD	N4PLV	223.24	224.84	★	C
CHARLOTTESVILLE	WA4TFZ	223.50	223.50	★	RB
DANVILLE	WB4GJG	222.78	224.38	★	
DANVLE/WHITE OAK	N4GLA	223.16	224.76	★	
DELTAVILLE	AA4HQ	222.40	224.00	★	EA
GLOUCESTER	NB4P	223.02	224.62	★	
HAMPDEN-SYDNEY	WB4PEA	222.60	224.20	★	
HAMPTON	KB4UHA	223.26	224.86	★	AEAR
LYNCHBURG	AB4M	222.68	224.28	★	PA
MARTINSVILLE	WB4BVI	222.90	224.50	★	PA
NORTON/HIGH KB	WA4NDQ	222.82	224.42	★	
PETERSBURG	K4ARO	223.10	224.70	★	
ROANOKE	WB4DBB	222.50	224.10	★	L
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	★	
STUARTS DRAFT	KB4OLM	223.36	224.96	N	AL
VIRGINIA BEACH	WD8DAS	222.58	224.18	N	

440 MHZ

ALTAVISTA	WA4ISI	449.425	444.425	★	AL
BEDFD/APL ORCH	WB4DBB	449.35	444.35	★	L
BLUEFIELD	KD8MZ	449.625	444.625	★	PAL
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	★	
CHESAPEAKE	K4NDH	448.80	443.80	D	PA
CHESAPEAKE	N4EVG	448.90	443.90	★	PAEA
CHESTER/ENON	WA4ECM	449.20	444.20	★	RB
COVINGTON	WA4HTI	447.25	442.25	★	
FOREST	WD4KQI	449.75	444.75	N	A
GALAX/PT LOOKOUT	N4VL	448.00	443.00	★	L
HAMPTON	K4UMI	448.65	443.65	N	
HAMPTON	WB4JPA	449.55	444.55	D	PAT
LEXNGTN/ROCK MT.	WA4DUM	449.15	444.15	N	
LYNCHBG/JACK MT.	KF4YI	447.40	442.40	★	PA
LYNCHBURG	K4HEX	426.25	923.25	N	CV
LYNCHBURG	AB4FU	447.95	442.95	★	PA
LYNCHBURG	K4HEX	449.50	444.50	N	
MARION	N4IQV	447.00	442.00	N	AL
NORFOLK	W4WIN	439.25	426.25	N	V
OILVILLE	KB4MIC	449.80	444.80	D	PA
PETERSBURG	K4ARO	449.40	444.40	★	T
PORTSMOUTH	KK4SN	449.00	444.00	★	AEA
RICHMOND	N4LFU	448.35	443.35	★	L
RICHMOND	K4ARO	449.65	444.65	★	
RICHMOND	K4ARO	449.85	444.85	★	
RIDGEWAY	AA4QT	449.90	444.90	N	
ROANOKE	WB4DBB	446.65	446.65	★	L
ROANOKE	KA4YUY	447.175	442.175	★	
ROANOKE/POOR MT	W4CA	447.50	442.50	★	L
ROANOKE/POOR MT.	N4FHL	426.25	439.25	D	V
ROANOKE/POOR MT.	N4VG	447.70	442.70	★	
ROANOKE/POOR MT.	WB8BON	448.65	443.65	D	L
STAIMTPM/EL KNB	N4RAG	449.10	444.10	N	
STAUNTON	WA4ZBP	449.825	444.825	★	
STAUNTON	W4WRN	449.95	444.95	N	
STUARTS DRAFT	KB4OLM	449.05	444.05	N	
VIRGINIA BEACH	WA4KXV	449.95	444.95	★	EA
WAYNESBORO	KA5NOJ	439.25	426.25	★	V
WAYNESBORO	WA4EZA	449.20	444.20	N	
WILLIAMSBURG	W4NTG	448.95	443.95	D	
WINDY GAP MT	W4WIC	448.75	443.75	★	AL
WYTHEVILLE	KA4JRL	448.80	443.80	N	C

10 METERS

CHARLOTTESVILLE	WA4TFZ	29.60	29.60	★	RB
NEWPORT NEWS	WB4CTF	29.60	29.60	★	RB
ONEIDA PK/BLFLD	KD8MZ	29.58	29.68	★	RBL
ROANOKE/POOR MT	WB8BON	29.54	29.64	D	CL

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

MORE VIRGINIA REPEATERS

6 METERS

BEDFORD/THAX MT	WB4DBB	52.15	53.15	*	
CHARLOTTESVILLE	WA4TFZ	52.525	52.525	*	RB
DANVILLE(DCC)	WB4GJG	52.13	53.13	*	
LEXNGTN/ROCK MT.	WA4DUM	52.01	53.01	N	L
LOUISA	KA4NNN	52.07	53.07	N	
RICHMOND	WB4FAX	52.43	53.43	*	A
RIDGEWAY	AA4QT	52.25	53.25	N	
ROANOKE	WB4DBB	52.25	53.25	*	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	D	CL
VIRGINIA BEACH	WD8DAS	52.19	53.19	N	

N. VIRGINIA REPEATERS

*Listing Updates Supplied Courtesy of T-MARC

2 METERS

ALEXANDRIA	WB4MJF	144.55	145.15		M
ALEXANDRIA	N4FSC	144.71	145.31		MPA
ALEXANDRIA	WD4PDP	146.055	146.655		MPA
ALEXANDRIA	W4HFH	147.915	147.315		ML
ARLINGTON	N4EFJ	144.87	145.47		M
CULPEPER	N4FAF	147.72	147.12		M
FAIRFAX	WA4YVM	144.57	145.17		M
FAIRFAX	W4LBL	146.19	146.79		MPA
FALLS CHURCH	W4AQD	144.75	145.35		MT
FREDRICKSBURG	WB4LNT	147.615	147.015		M
HARRISONBURG	WX4C	147.825	147.225		AM
MADISON	N4AJO	147.99	147.39	M	M
MANASSAS	WA4FPM	146.37	146.97		MPA
MCLEAN	WD4IWG	147.81	147.21		MR
NEW MARKET	K4AVW	146.025	146.625		M
STAFFORD	NM7J	144.67	145.27		M
STERLING	WA4TXE	146.115	146.715		M
TYSONS CORNER	WD4HLF	146.31	146.91		MPA
VIENNA	K4HTA	146.085	146.685		M
WARRENTON	WB4FJT	147.765	147.165		M
WINCH/BLUEMONT	WA4TSC	147.90	147.30		M
WINCHESTER	W4RKC	146.22	146.82		M
WOODBRIDGE	WB4FQR	147.84	147.24		MA

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82		ML
ARLINGTON	KI4MB	222.46	224.06		M
FAIRFAX	WB4YHD	222.50	224.10		ML
FAIRFAX	WD4KHP	222.82	224.42		PALT
FALLS CHURCH	N4CHP	223.38	224.98	M	MPA
LEESBURG	WA4TXE	222.42	224.02		M
LOVETTSVILLE	WB4FUJ	222.86	224.46		M
MANASSAS	WA4FPM	223.06	224.66		M
STERLING PARK	WD4KHP	222.12	223.72		M
TYSONS CORNER	WD4KHP	223.12	224.72		M
VIENNA	K4HTA	222.34	223.94		M
WOODBRIDGE	WB4GJZ	223.18	224.78		M

440 MHZ

ALEXANDRIA	WA9GVK	439.25	426.25		MV
ALEXANDRIA	WA4ZAI	449.50	444.50		M
ALEXANDRIA	W4HFH	449.60	444.60		M
ARLINGTON	KA4DCS	444.875	449.875		M
ARLINGTON	KI4MB	449.15	444.15		M
FAIRFAX	KD4DN	443.725	448.725		ML
FALLS CHURCH	N4EFK	449.30	444.30		M
FALLS CHURCH	K8ZOA	449.45	444.45		ML
GREAT FALLS	N3AVA	449.05	444.05		M
INDEPENDNCE HILL	AA4VA	448.80	443.80		
INDEPENDNCE HILL	AA4VA	448.80	443.80	D	M
MANASSAS	WD4JCE	444.225	449.225	M	ML
SPRINGFIELD	AA4VA	449.15	444.15	M	M
STERLING	WA4TXE	447.20	442.20		M
TYSONS CORNER	WB6GUS	448.50	443.50		M
TYSONS CORNER	K4JYF	449.75	444.75		M
VIENNA	K4HTA	448.25	443.25		M
WINCH/BLUEMONT	WA4TSC	444.925	449.925		M
WINCHESTER	NB3O	444.175	449.175		M
WINCHESTER	W3CSG	447.00	442.00		M
WOODBRIDGE	KA4DCS	444.875	449.875		M
WOODBRIDGE	WB4FQR	449.90	444.90		M
WOODFORD	WA4SDE	443.975	448.975		M

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	D	ML
CENTERVILLE	KA4DCS	52.58	52.48		M
HERNDON	WD4KHP	52.62	52.82		TM

920 MHZ

ALEXANDRIA	WA4CCF	907.60	919.60		M

1270 MHZ

ALEXANDRIA	WA4CCF	270.60	282.60		M
VIENNA	WR4S	272.00	292.00		M

10 METERS

STERLING	KD4DN	29.58	29.68		M

MISSISSIPPI REPEATERS

2 METERS

A MORY	KB5DSN	147.69	147.09	N	
ABERDEEN	WB5USN	147.87	147.27	N	A
ACKERMAN	NO5N	147.72	147.12	N	
BAY ST. LOUIS	N5GY	146.10	146.70	N	
BAY ST. LOUIS	KOVNO	146.25	146.85	N	
BILOXI	K5OS	146.13	146.73	N	
BILOXI	K5TYP	146.19	146.79	N	
BLUE MT.	N5CAX	146.07	146.67	N	A
BOONEVILLE	WA5TEF	144.59	145.19	*	
BUDE	K5JMD	146.25	146.85	N	
CLEVELAND	K5BWW	146.25	146.85	N	
COLUMBUS	K5BX	147.60	147.00	N	A
CORINTH	WB5VOJ	146.325	146.925	D	
CORINTH	K5UFH	146.40	147.00	N	
ELLISVILLE	N5DWU	147.465	146.865	*	PALT
FLORENCE	W5AXQ	146.16	146.76	N	
GREENVILLE	WA5MBA	146.22	146.82	N	A
GREENWOOD	KA5TQY	146.115	146.715	N	
GRENADA	WB5LVA	146.10	146.70	N	
GULFPORT	KA5CYR	144.73	145.33	N	A
HATTIESBURG	KA5NNX	144.77	145.37	N	
HATTIESBURG	KC5K	147.66	147.06	*	LRB
HATTIESBURG	W5CJR	147/96	147.36	*	
HERNANDO	K5VV	146.31	146.91	N	A
INVERNESS	WA5UDQ	147.78	147.18	N	
IUKA	WB5MFK	146.25	146.85	N	A
JACKSON	W5ITL	146.04	146.64	N	
JACKSON	W5NNZ	146.28	146.88	N	
JACKSON	KA5SBK	146.34	146.94	N	
JACKSON	NC5Y	147.675	147.075	N	A
KOSCIUSKO	W5LWC	146.25	146.85	N	
LAUREL	N5KKG	146.01	146.61	*	A
LAUREL	WV5D	146.43	147.03	N	
LOUISVILLE	WB5ZAG	147.96	147.36	N	A
MAGEE	KG5MZ	146.22	146.82	*	TLC
MAGEE	KA5LNY	147.90	147.30	*	PA
MCCOMB	K5JMD	146.34	146.94	N	A
MENDENHALL	K5HYE	144.51	145.11	*	P
MERIDIAN	W5DEJ	146.10	146.70	*	A
MERIDIAN	KA5MJM	146.37	146.97	*	PARB
MOOREVILLE	WB5NAY	146.04	146.64	N	A
NATCHEZ	W5KHB	146.085	146.685	*	
NATCHEZ	K5OCM	146.31	146.91	N	A
NATCHEZ	K5SVC	147.96	147.36	N	
NEW HEBRON	N5MRS	147.69	147.09	*	AEAT
OCEAN SPRINGS	W5LDD	147.63	147.03	*	A
OLIVE BRANCH	KA5WMH	147.825	147.225	N	
PASCAGOULA	N5AAY	146.28	146.88	N	A
PEARL	N5III	147.75	147.15	N	
PETAL	N5LRQ	147.735	147.135	*	
PHILADELPHIA	N5EPP	147.93	147.33	D	
PICAYUNE	K5LEF	144.55	145.15	N	A
PICAYUNE	K5LFP	147.78	147.18	N	A
PONTOTOC	WB5NAY	147.98	147.38	N	
POPLARVILLE	WA5WRE	144.61	145.21	*	A
PORT GIBSON	KE5WO	146.025	146.625	N	
PRENTISS	WB5UNA	147.99	147.39	*	
SENATOBIA	KB5DMT	146.385	146.985	N	
STARKVILLE	W5VZF	146.13	146.73	*	A
TUPELO	AI5R	147.84	147.24	N	A
VICKSBURG	WJ5L	144.69	145.29	D	
VICKSBURG	WB5SXK	147.87	147.27	N	
WATER VALLEY	WB5QFX	146.40	147.00	N	
WEST POINT	KO5S	146.19	146.79	N	A
WIGGINS	KB5DZJ	144.67	145.27	*	

220 MHZ

ACKERMAN	NM5D	223.18	224.78	N	
ACKERMAN	NM5D	223.22	224.82	N	
BAY ST. LOUIS	K5GY	223.10	224.70	N	
BILOXI	K5TYP	222.90	224.50	N	
PONTOTOC	KE5ST	223.30	224.90	N	

440 MHZ

ACKERMAN	NM5D	448.65	443.65	N	
ACKERMAN	NM5D	449.90	444.90	N	
BRANDON	N5III	449.70	444.70	N	
CLERMONT HARBOR	WD5BJT	449.15	444.15	N	A
HATTIESBURG	W4KGJ	448.70	443.70	*	L
JACKSON	KB5CO	449.00	444.00	N	
JACKSON	KB5CO	449.80	444.80	N	
LAUREL	AJOX	448.50	443.50	*	ARB
MENDENHALL	K5HYE	448.60	443.60	*	C
MERIDIAN	WA5WUX	449.10	444.10	*	PAEA
NATCHEZ	N5IAT	448.80	443.80	N	A
PONTOTOC	KE5ST	449.65	444.65	N	
POPLARVILLE	WA5WRE	449.85	444.85	*	
STARKVILLE	W5VZF	449.75	444.75	*	

10 METERS

POPLARVILLE	WA5WRE	29.52	29.62	*	A

6 METERS

HATTIESBURG	N5ILU	52.05	53.05	*	L
LAUREL	N5DWU	52.01	53.01	*	L

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	N	
AMERICUS	K4VBH	147.87	147.27	N	
ASHBURN	WD4EVD	147.885	147.285	★	PA
ATHENS	WA4BKF	146.145	146.745	D	PA
ATHENS	K4TQU	147.975	147.375	N	
ATLANTA	W4VTA	144.51	145.11	★	
ATLANTA	W4AQL	144.55	145.15	★	PAEA
ATLANTA	K4DRQ	144.69	145.29	D	
ATLANTA	W4DOC	144.75	145.35	N	
ATLANTA	W4DOC	146.22	146.82	N	PA
ATLANTA	N4OD	146.37	146.97	N	
ATLANTA	WA4NNO	146.40	147.00	N	PA
ATLANTA	K4YSB	147.705	147.105	N	R
ATLANTA	K4SMX	147.795	147.195	N	T
ATLANTA	WD4KDT	147.855	147.255	★	PAL
ATLANTA/AIRPORT	W4REI	147.63	147.03	★	
ATLANTA/BELL	W4PME	144.81	145.41	★	AEA
ATLANTA/GPCO	WA4VBX	147.885	147.285	★	
ATLANTA/MARIETTA	N4NFP	146.055	146.655	N	EAL
ATLANTA/MARIETTA	N4NEQ	147.94	147.34	N	PANB
ATLANTA/SWEAT MT	K4LCI	144.83	145.43	N	EA
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	★	LK
AUGUSTA	W4TUN	144.51	145.11	★	A
AUGUSTA	AA4UA	144.77	145.37	★	A
AUGUSTA	N4JA	144.89	145.49	★	
AUGUSTA	W4LWT	146.04	146.64	★	K
AUGUSTA	KT4N	146.34	146.94	N	
AUGUSTA	NA4I	146.385	146.985	★	PA
AUGUSTA	NI4S	147.72	147.12	N	PA
AUGUSTA	N4BMA	147.78	147.18	D	R
BALDWIN	WD4NHW	147.78	147.18	D	A
BONAIRE	WB4UHL	147.615	147.015	N	
BRNSWK/JEKYLL IS	KB4PXX	144.81	145.41	★	
BRUNSWICK	K4TVE	146.13	146.73	N	A
CAIRO	AA4RD	147.795	147.195	N	
CALHOUN/JASPER	KC4AQS	147.405	146.805	★	RBPA
CARROLLTON	W4FWD	146.04	146.64	D	A
CARTERSVILLE	N4GIS	144.59	145.19	N	
CEDARTOWN	W4CMA	147.72	147.12	★	PA
CLAYTON	WA4BLQ	144.65	145.25	D	
CLEVELAND/LONG	K4FOW	146.31	146.91	N	
CLEVELAND/LONG	K4FOW	147.615	147.015	N	
COLUMBUS	KA4CEK	144.71	145.31	N	
COLUMBUS	K4ACH	144.77	145.37	N	R
COLUMBUS	W4CVY	146.01	146.61	D	A
COLUMBUS	WB4TOM	146.28	146.88	★	
CONYERS	WB4JEH	144.63	145.23	N	
CONYERS	KL7TF	147.81	147.21	★	PAEA
COOLIDGE	N4JBF	144.57	145.17	★	P
CORDELE	WA4RWS	144.89	145.49	D	
COVINGTON	WA4ASI	146.325	146.925	N	AL
CUMMING/SAWNEE	K4BYK	147.75	147.15	★	PAL
DALLAS	K4DVJ	146.25	146.85	N	
DALONEGA	KJ4EV	147.435	146.835	★	A
DALTON	KE4UJ	144.63	145.23	D	A
DALTON	N4BZJ	144.65	145.25	★	A
DALTON	N4BZJ	147.735	147.135	★	EAL
DECATUR	W4BOC	144.85	145.45	D	
DOUGLASVILLE	KB4EO	147.96	147.36	★	EA
DUBLIN	WA4HZX	147.96	147.36	N	
ELLIJAY/TALONA M	W4HHH	146.385	146.985	★	A
EVANS	N4TDL	146.28	146.88	★	
FAYETTEVILLE	K4UWN	146.085	146.685	N	
FOLKSTON	K4DMK	146.19	146.79	N	
FOREST PARK	K4KQK	144.65	145.25	N	
FORSYTH	W4SPJ	147.315	147.915	N	NB
FORSYTH	KB4KIN	147.765	147.165	D	
GAINESVILLE	W4NSO	146.07	146.67	★	PAEA
GRIFFIN	K4HYB	144.79	145.39	★	PA
GRIFFIN	K4HYB	146.31	146.91	★	
HARTWELL	WA4RBS	146.895	146.295	★	NB
HINESVILLE	KF4UM	147.615	147.015	★	AT
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	★	RB
JASPER	W4OOM	146.10	146.70	★	
JEFFERSON	KB4ZUN	147.825	147.225	N	
JESUP	WA4EQL	146.07	146.67	★	
JESUP	N4PJR	146.325	146.925	★	PA
JONESBORO	WA4DIW	144.57	145.17	★	EA
JONESBORO	WA4OGE	144.73	145.33	D	EA
LAFAYETTE	KB4VAK	147.975	147.375	★	
LAGRANGE	KO4R	146.25	146.85	N	O
LAGRANGE	WB4BXO	147.93	147.33	D	
LANETT(AL)	K4DXZ	147.60	147.00	D	
LAVONIA	K4NVE	146.115	146.715	★	
LYONS	K4HAO	146.22	146.82	N	
MACON	WB4OLL	144.83	145.43	★	PALR
MACON	W4BKM	146.06	146.66	N	NBPA
MACON	N3SM	146.895	146.295	D	
MACON	WA4DDI	147.66	147.06	D	T
MADISON	WB4DKY	146.265	146.865	★	A
MARIETTA	WA4QPL	144.89	145.49	D	PA
MARIETTA	KC4KE	146.175	146.775	N	
MARIETTA	W4YFR	146.28	146.88	D	
METTER	W4TYM	147.645	147.045	N	AEA
MILLEDGEVILLE	KF4LI	144.55	145.15	★	PAT
MILLEDGEVILLE	WB4DOJ	146.10	146.70	D	PAEA
MILLEDGEVILLE	KF4LT	146.205	146.805	★	
MILLEDGEVILLE	K4FRM	147.735	147.135	★	
MORGANTON	K5GBS	146.475	147.075	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	★	PA
NEWNAN	K4SEX	146.19	146.79	★	PA
PERRY	KB4KIN	146.355	146.955	D	PAL
PERRY	WL7ACY	147.90	147.30	★	AL
PHENIX CITY (AL)	WA4QHN	146.13	146.73	D	
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	N	
PRESTON	WB4TOV	146.385	146.985	N	
QUITMAN	WA4NKL	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	D	
ROCKY TOP MT	K5PRE	146.355	146.955	N	
ROME	WB4YSV	147.90	147.30	N	
ROME/MT. ALTO	W4VO	146.34	146.94	★	PA
ROSSVILLE	W4FGQ	144.75	145.35	★	
ROSWELL	N4CLA	147.66	147.06	D	EAPA
SAVANNAH	KK4TO	146.10	146.70	★	PAEA
SAVANNAH	W4HBB	146.28	146.88	N	
SAVANNAH	W4HBB	146.37	146.97	N	A
SAVANNAH	KK4TO	147.81	147.21	★	PAEA
SNELLVILLE	WD4JXR	147.675	147.075	D	PA
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
ST. MARYS	KA4UUB	146.385	146.985	N	
STATESBORO	NC4D	147.705	147.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	146.16	146.76	D	
SUMMERVILLE	KA4LVY	147.825	147.225	N	
SWAINSBORO	K4VYX	146.19	146.79	N	O
SWEAT MT/MARIETT	N4CLA	144.87	145.47	D	EAPA
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	D	A
THOMPSON	WB4OCB	146.235	146.835	N	C
TOCCOA	KA4DIP	147.93	147.33	★	
TWIN CITY	N4REB	147.915	147.315	D	P
TYRONE	W4PSZ	144.61	145.21	N	PA
UNION CITY	WA4UPE	146.025	146.625	N	
VALDOSTA	W4APS	146.16	146.76	N	
VALDOSTA	KBOY	147.735	147.135	N	A
VALDOSTA/TIFTON	WA4VLP	144.53	145.13	N	
VIDALIA	N4JWP	146.025	146.625	★	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	★	L
WARNER ROBINS	WB4BDP	146.01	146.61	★	A
WARNER ROBINS	WA4QWI	146.25	146.85	★	A
WATKINSVILLE	N4NFA	147.645	147.045	★	PAEA
WAYCROSS	WA4GBG	146.04	146.64	N	
WAYNESBORO	WD4COL	144.63	145.23	★	
WRENS	WB4OCB	146.175	146.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	AL

220 MHZ

ATL/CHESTNUT MT	W4DOC	222.96	224.56	N	L
ATLANTA	N4BLR	222.68	224.28	N	
ATLANTA	W4DOC	222.74	224.34	N	
ATLANTA	KK4C	223.22	224.82	★	PALR
ATLANTA/BELL	W4ZTL	223.02	224.62	★	
ATLANTA/MARIETTA	N4NFP	222.52	224.12	N	PAL
AUGUSTA	AA4UA	222.60	224.20	★	A
AUGUSTA	WB4KXO	223.34	224.94	★	PA
CARTERSVILLE	N4GIS	222.48	224.08	N	
CLEVELAND	N4RBT	222.78	224.38	★	PA
CONYERS	WB4JEH	222.42	224.02	N	
CORNELIA	WS4F	222.50	224.10	D	

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

MORE GEORGIA REPEATERS

CUMMING/SAWNEE	K4JSR	223.38	224.98	*	PAL
DALTON	N4BZJ	222.44	224.04	*	
DALTON	N4SLJ	223.08	224.68	N	
DALTON	N4KVC	223.14	224.74	*	EARB
GAINESVILLE	W4NSO	222.30	223.90	*	P
MACON	W4BKM	223.06	224.66	N	
MARIETTA	WA4QPL	223.30	224.90	D	
NORCROSS	KB4PRH	222.88	224.48	*	
PERRY	WL7ACY	223.24	224.84	*	AL
PINE LOG MT.	WB4UPC	223.34	224.94	D	L
ROME	WB4YSV	222.82	224.42	N	
ROSSVILLE	KC4EV	223.34	224.94	N	
STERLING	N3GLC	222.42	224.02	N	
STONE MT	W4BOC	223.16	224.76	D	
THOMASVILLE	N4JBF	222.72	224.32	*	AL
VALDOSTA	W4APS	222.38	223.98	N	
WALESKA/PNLGMT	N4KSM	222.92	224.52	*	A
YORKVILLE	WB4UPC	222.34	223.94	D	
YORKVILLE	WB4UPC	222.46	224.06	D	L
YORKVILLE	WB4UPC	223.28	224.88	D	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	
ALBANY	W4MM	449.50	444.50	N	
ATHENS	NB4X	448.30	443.30	*	
ATLANTA	W4DOC	444.825	449.825	N	NB
ATLANTA	WB8LVH	448.50	443.50	N	
ATLANTA	KE4ZV	448.65	443.65	*	K
ATLANTA	W4DOC	449.45	145.67	N	RB
ATLANTA	WB4UWL	449.50	444.50	*	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	N	T
ATLANTA/BELL	W4ZTL	449.15	444.15	*	AEA
ATLANTA/MARIETTA	N4NEQ	449.775	444.775	N	PAL
ATLANTA/STONE MT	W4BOC	449.25	444.25	D	
AUGUSTA	N4JA	447.025	442.025	*	
AUGUSTA	NI4S	448.15	443.15	N	O
AUGUSTA	NA4I	449.95	444.95	*	
BLYTHE	AA4UA	449.40	444.40	*	
BRNSWK/JEKYLL IS	KB4PXX	439.25	421.25	*	V
BRUNSWICK	K4TVE	449.975	444.975	N	
CHATSWORTH	AA4EO	448.00	443.00	D	
CONYERS	WB4JEH	447.55	442.55	N	
CONYERS	N4EMM	449.75	444.75	N	C
COVINGTON	WA4ASI	447.925	442.925	N	AL
COVINGTON	KL7TF	448.75	443.75	*	L
DALLAS	WD4LUQ	449.70	444.70	*	
DALTON	N4BZJ	444.85	444.85	*	
DECATUR	N3APR	447.20	442.20	N	
DECATUR	WB4LBM	449.20	444.20	N	
ELLIJAY TALONA M	W4HHH	449.70	444.70	*	
GAINESVILLE	W4NSO	447.625	442.625	*	PAEA
GRIFFIN	WB4GWA	448.90	443.90	*	PA
HIGH PT/LOOKT MT	KB4VAK	448.45	443.45	*	
JASPER	KB4IZF	449.375	444.375	*	RB
JASPER/BIG BUCK	N4OKS	448.80	443.80	N	
LANETT(AL)	K4DXZ	447.05	442.05	D	
LAWRENCEVILLE	KK4IN	448.55	443.55	N	NB
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
MACON	K4VTT	447.275	442.275	*	AEAL
MARIETTA	KM4BA	448.60	443.60	N	
MARIETTA	K4PQD	449.05	444.05	N	
MARIETTA	KM4BA	449.325	444.325	N	
NEWNAN	N4EBZ	449.675	444.675	N	PA
PERRY	KB4KIN	449.95	444.95	D	PAL
PHENIX CITY (AL)	WA4QHN	449.20	444.20	D	
RINGGOLD	KJ4IU	448.925	443.925	D	
ROCKY FACE	AA4EO	447.175	442.175	N	
ROSSVILLE	N4PLP	447.125	442.125	D	C
SAVANNAH	KC4AZU	447.70	442.70	N	C
SMYRNA	N4IBW	449.65	444.65	N	
STOCKBRIDGE	N4JMD	448.325	443.325	N	
STOCKBRIDGE	N4JMD	448.325	443.325	N	
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT	N4CLA	448.20	443.20	N	
TIFTON	KF4JF	449.35	444.35	N	
TYRONE	K4NEF	449.55	444.55	N	
VALDOSTA	W4APS	449.70	444.70	N	
WALESKA/PNLOG MT	KE4PN	448.85	443.85	*	L
WALUSKA/PINE LOG	WB4YSV	443.85	448.85	N	NB
WATKINSVILLE	N4NFA	449.725	444.725	*	PAEA

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
ATL/MARIETTA	N4NEQ	29.54	29.64	N	L
ATLANTA	WB8LVH	29.52	29.62	N	L
DALTON	N4BZJ	29.58	29.68	*	AL

6 METERS

ATL/MARIETTA	WA4MPW	52.09	53.09	N	
AUGUSTA	K4EDU	52.03	53.03	N	P
CONYERS	WB4JEH	52.55	53.55	N	
FORSYTH	KB4KIN	52.13	53.13	D	
PINE LOG MT	WB4UPC	52.05	53.05	D	L
PINE LOG MT.	KE4PN	52.29	53.29	*	L

920 MHZ

AUGUSTA	AA4UA	940.00	440.00	*	A

1270 MHZ

ATL/CHESTNUT MT	W4DOC	291.40	271.40	N	
ATLANTA/BELL	KB4KIN	272.00	292.00	D	
CALHOUN/JASPER	KC4AQS	292.00	272.00	*	RBPA

KENTUCKY REPEATERS

2 METERS

ASHLAND	KD4SN	146.34	146.94	*	
ASHLAND	KA4DII	147.84	147.24	D	PA
ASHLAND	WA8KWH	147.93	147.33	D	A
BAXTER	WM4H	147.78	147.18	N	
BENTON	WG4U	147.72	147.12	N	
BEREA	KI4B	146.115	146.715	N	
BETSY LAYNE	WA4YCU	146.035	146.635	N	
BOWLING GREEN	WD4MNI	146.055	146.655	N	
BOWLING GREEN	KA4CLL	146.25	146.85	N	
BOWLING GREEN	WD4CJJ	147.93	147.33	N	
CAMBELLSVILLE	WA4UXJ	146.04	146.64	N	
CARROLLTON	KI4GB	146.715	146.115	N	
CLARKSON	KB4NFK	144.55	145.15	N	
CLARKSON	N4PXK	144.89	145.49	N	
CORBIN	WD4KWV	146.01	146.61	*	
COVINGTON	WB8NON	144.81	145.41	D	
COVINGTON	WB8NON	147.99	147.39	D	A
DANVILLE	WD4DZC	146.055	146.655	N	
DEANE	AK4U	144.61	145.21	*	L
DICKS KNOB	N4MWA	147.765	147.165	*	
DIXON	WD4RBI	147.78	147.18	N	
ELIZABETHTOWN	W4BEJ	146.325	146.925	*	
ELIZABETHTOWN	W4BEJ	146.38	146.98	*	AL
ELKHORN CITY	WB4WAU	147.60	147.00	D	
ERLANGER	N4BOP	144.61	145.21	N	
FAIR DEALING	N4AVE	147.84	147.24	N	
FERN CREEK	WB4NSY	146.16	146.76	N	A
FRANKFORT	KB4AGA	144.69	145.29	N	
FRANKFORT	K4NGQ	147.075	147.675	N	
FRANKFORT	KC4AI	147.84	147.24	N	
GLASGOW	KA0BKD	144.81	145.41	D	L
GLASGOW	W4WZH	146.34	146.94	N	
GLASGOW	AG4C	147.63	147.03	N	
GRAYSON	KF4JO	146.10	146.70	N	
GUTHRIE	KA4NNE	146.205	146.805	D	
HARLAN	WA4ZAC	147.69	147.09	N	
HAZARD	K4VHF	146.07	146.67	D	
HENDERSON	K4DPP	146.37	146.97	N	
HIGHLAND HEIGHTS	K4CO	147.855	147.255	N	
HOPKINSVILLE	WA4ZVL	147.63	147.03	D	A
INDEPENDENCE	K4JBV	146.295	146.895	*	A
IRVINGTON	WB4WVH	146.30	146.90	*	AEA
LA GRANGE	W4MTN	147.99	147.39	N	
LAWRENCEBURG	KK4PL	144.69	145.29	*	A
LEXINGTON	KC4TX	144.85	145.45	*	PA
LEXINGTON	KC4TX	144.85	145.45	N	
LEXINGTON	WA4HBM	146.16	146.76	*	PAEA
LEXINGTON	W4AUZ	146.34	146.94	N	
LEXINGTON	WA4HBM	147.765	147.165	*	
LOUISA	WA4SWF	146.13	146.73	*	EA
LOUISVILLE	WD4RNW	144.61	145.21	N	
LOUISVILLE	WD4RNW	146.01	146.61	N	
LOUISVILLE	W4BDC	146.10	146.70	*	PAEA
LOUISVILLE	W4OAU	146.28	146.88	N	
LOUISVILLE	W4PJZ	147.63	147.03	N	
LOUISVILLE	N4NMC	147.67	147.07	*	PAEA
LOUISVILLE	N4KWT	147.87	147.27	N	
LOUISVILLE	NQ9Z	147.96	147.36	N	
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MADISONVILLE	WA4PVV	146.01	146.61	N	
MARION	KA4FGA	147.705	147.105	N	
MARION	KA4FGA	147.885	147.285	N	
MAYFIELD	WA4NAR	147.84	147.24	N	
MAYTOWN	AK4U	146.28	146.88	*	PALR
MIDDLESBORO	W4PPM	146.085	146.685	N	
MOREHEAD	K4GFY	146.31	146.91	N	
MT. STERLING	WD4KNE	147.93	147.33	N	PA
MURRAY	WB4NTB	146.34	146.94	*	A
NICHOLASVILLE	WB4CWF	144.89	145.49	*	PA
OWENSBORO	NW4A	147.63	147.03	N	
PADUCAH	K4CUW	146.16	146.76	N	
PADUCAH	W4WQ	147.66	147.06	N	
PAINTSVILLE	AK4U	146.19	146.79	*	PAL
PIKEVILLE	N4IWZ	144.55	145.15	D	PARB
PIKEVILLE	KM4IV	146.25	146.85	D	EAL
PIKEVILLE	WB4GEL	147.87	147.27	N	PA
PINEVILLE	WA4YZY	146.04	146.64	N	
PINEVILLE	WA4YZY	146.04	146.64	N	
PRESTONSBURG	K4ICN	144.69	145.29	*	RBO
PRINCETON	W4KBL	146.07	146.67	N	
PROVIDENCE	N4IUI	147.93	147.33	N	
RABBIT HASH	WA4OCP	146.355	146.955	N	
RINEYVILLE	KE4NS	146.355	146.955	*	
SALEM	N4IL	147.915	147.315	N	
SALYERSVILLE	AK4U	147.90	147.30	*	L

MORE KENTUCKY REPEATERS

SHELBYVILLE	KE4LR	147.60	147.00	*	PA
SOMERSET	N4AI	146.28	146.88	N	
SPRINGFIELD	WA4SJH	147.90	147.30	*	A
UNION CITY (TN)	WA4YGM	146.10	146.70	N	
VERSAILLES	WA4ZXK	146.13	146.73	N	
WALTON	K4CO	147.975	147.375	N	
WASHINGTON	WA4WMM	144.87	145.47	N	C
WHTSBRG/PINE MT.	WD4PDJ	147.99	147.39	N	
WINCHESTER	WB4ASZ	147.72	147.12	D	

220 MHZ

ASHLAND	KC4QK	222.34	223.94	D	
COVINGTON	WB9MRB	223.30	224.90	N	
LEXINGTON	WB8VMI	222.14	223.74	*	
LOUISVILLE	W4MOP	223.22	224.82	N	
PIKEVILLE	WB4F	222.98	224.58	N	
PIKEVILLE	N4ETG	223.02	224.62	N	A

440 MHZ

ASHLAND	WB4TAT	449.975	444.975	*	
BOWLING GREEN	WD4MNI	449.10	444.10	N	
CUSTER	KE4NS	449.975	444.975	D	
ELIZABETHTOWN	W4BEJ	449.80	444.80	*	L
HENDERSON	N9APA	449.50	444.50	N	
HIGHLAND HEIGHTS	WA4OCP	449.35	444.35	N	
LEXINGTON	WD4EJA	449.95	444.95	N	
LOUISVILLE	WA4MLF	447.50	442.50	*	AL
LOUISVILLE	KA4WTT	449.10	444.10	*	PAEA
LOUISVILLE	WB4ZZD	449.30	444.30	N	
LOUISVILLE	W4MOP	449.50	444.50	N	
LOUISVILLE	WD4RNW	449.90	444.90	N	
LYNCH/BLACK MT	N4IZD	448.10	443.10	N	
MAYTOWN	AK4U	449.20	444.20	*	L
OWENSBORO	WB4AOH	439.25	427.25	N	V
SPRINGFIELD	WA4SJH	444.60	449.60	*	

6 METERS

FLAT GAP	N4MPM	52.45	53.45	N	
GUTHRIE	KA4ZKL	52.23	53.23	D	C
LOUISVILLE	WB4LBR	52.025	53.025	N	

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	T
BLOUNTVILLE	WA4KMG	147.60	147.00	N	
BRISTOL	WB4DKI	146.07	146.67	*	A
BRISTOL	WD4CYZ	146.28	146.88	N	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	N	A
BROWNSVILLE	KB4YTU	144.83	145.43	D	
BROWNSVILLE	WA4ABU	146.055	146.655	N	
CARTHAGE	N4OTT	144.59	145.19	*	PA
CHATT/SIGNAL MT	AD4F	146.055	146.655	D	
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00	N	PA
CHATTANOOGA	K4CMY	144.53	145.13	D	
CHATTANOOGA	K4VCM	144.69	145.29	D	
CHATTANOOGA	W4AM	144.79	145.39	D	A
CHATTANOOGA	K4CMY	146.01	146.61	D	
CHATTANOOGA	W4AM	146.19	146.79	D	A
CLARKSVILLE	WD4SGA	147.60	147.00	N	
CLARKSVILLE	AA4TA	147.99	147.39	*	
CLEVELAND	W4GZX	146.31	146.91	N	C
COALFIELD	AA4UP	146.145	146.745	*	
COLLIERVILLE	KB4YGI	144.53	145.13	N	
COLUMBIA	KE4KO	144.85	145.45	D	
COLUMBIA	WA4ZYX	147.72	147.12	*	A
COOKEVILLE	NQ4Y	144.51	145.11	N	
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	K4HKZ	147.645	147.045	N	C
COOKEVILLE	N4WS	147.81	147.21	*	PA
COVINGTON	WA4VXW	147.93	147.33	D	PALK
CROSSVILLE	KE4RX	146.04	146.64	*	
CROSSVILLE	W4CV	147.93	147.33	N	
CUMBERLAND CITY	WD4DBJ	144.73	145.33	*	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15	*	
DYERSBURG	AA4HF	146.145	146.745	N	
ERWIN	KC4DWQ	144.65	145.25	N	AL
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	PA
GALLATIN	WD4BKY	147.84	147.24	N	L
GALLATIN	WD4BKY	147.87	147.27	N	
GERMANTOWN	KA4ATI	147.69	147.09	D	
GREENEVILLE	K4EPC	144.79	145.39	*	
GREENEVILLE	WB4TUO	144.81	145.41	N	
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LEA
GUTHRIE (TN/KY)	KA4NNE	146.205	146.805	N	
HENDERSON	K4TC	147.705	147.105	N	PAEA
HENDERSONVILLE	WB4WZK	144.67	145.27	*	PAT
HENDERSONVILLE	N4WF	147.945	147.345	N	
HOLSTN MT/J.CITY	WB4SQC	144.69	145.29	*	PA
HOLSTON MT/BLOUN	WA4KMG	147.81	147.21	N	
HUMBOLDT	NQ4Y	144.75	145.35	N	AL
JACKSON	WB7BOX	144.51	145.11	*	AL
JACKSON	KF4SC	144.71	145.31	D	
JACKSON	W4WKZ	147.81	147.21	D	
JASPER	KD4XX	144.59	145.19	D	A
JOHNSON CITY	W4ABR	146.19	146.79	D	A
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	D	PA
KNOXVILLE	N4IJL	144.51	145.11	N	
KNOXVILLE	W4BBB	144.61	145.21	*	A
KNOXVILLE	WA4TEM	144.73	145.33	*	ARB
KNOXVILLE	N4GRC	144.77	145.37	*	
KNOXVILLE	N4IUA	144.83	145.43	N	
KNOXVILLE	WB4GBI	144.87	145.47		
KNOXVILLE	WB4GBI	146.025	146.625		C
KNOXVILLE	WB4GBI	146.34	146.94		
KNOXVILLE	KA4AZQ	146.40	147.00	*	
KNOXVILLE	WB4GBI	147.675	147.075		A
KNOXVILLE	W4BBB	147.90	147.30	*	
KNXVL/CROSS MT	KA4OAK	147.96	147.36	N	
KNXVL/ENG MT	WB4IOB	146.13	146.73	D	
LAFAYETTE	KC4ECD	144.71	145.31	*	EAT
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	N	
LAVERNE	KJ4RA	144.63	145.23	N	
LEBANON	WB4DOR	144.79	145.39	*	
LEBANON	WD4JVV	147.615	147.015	D	
LENOIR CITY	KB4PIO	146.085	146.685	N	PA
LEXINGTON	WD4MVR	146.43	147.03	D	
LOUDON	KE4SK	144.57	145.17	*	
MANCHESTER	W4UOT	146.10	146.70	*	PA
MARTIN	WA4ZQX	146.025	146.625	*	A
MCMINNVILLE	WD4MWQ	146.37	146.97	D	A
MCMINVL/SHT MT	W4KKO	144.89	145.49	*	
MEDINA	K4BEZ	146.37	146.97	N	A
MEM/FISHERVILLE	N4DRL	144.73	145.33	*	AL
MEMPHIS	KOJXI	144.55	145.15	N	
MEMPHIS	KAOBRN	144.57	145.17	N	ALT
MEMPHIS	WA4VIP	144.81	145.41	N	
MEMPHIS	K4HAZ	144.85	145.45	N	C
MEMPHIS	WA4KOG	144.85	145.45	*	P
MEMPHIS	WA4KOG	144.89	145.49	*	
MEMPHIS	WB4KQQ	146.04	146.64	*	O
MEMPHIS	W4UFT	146.10	146.70	N	
MEMPHIS	WB4DAZ	146.13	146.73	*	PA
MEMPHIS	WA4HBY	146.19	147.51	N	NB
MEMPHIS	W4BS	146.22	146.82	N	PA
MEMPHIS	WA4KOG	146.25	146.85	*	A
MEMPHIS	WA4ETE	146.28	146.88	*	A
MEMPHIS	K4BN	146.34	146.94	N	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	W4ZJM	146.43	147.03	N	L
MEMPHIS	WA4MQQ	147.66	147.06	N	
MEMPHIS	KA4GMV	147.72	147.12	N	AT
MEMPHIS	WA4KOG	147.78	147.18	*	
MEMPHIS	WA4OWI	147.87	147.27	N	
MEMPHIS	WA4ADT	147.90	147.30	*	PAL
MEMPHIS	WB4MMI	147.96	147.36	N	
MILLINGTON	W4ODR	146.43	147.03	N	L
MORRISTOWN	WD4PRQ	147.63	147.03	N	EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MURFREESBORO	WB4LHO	144.57	145.17	D	PA
NASHVILLE	N4ARK	144.61	145.21	*	RBL
NASHVILLE	K4UVH	144.69	145.29	N	
NASHVILLE	KI4OG	144.77	145.37	*	PA
NASHVILLE	N4ARK	144.87	145.47	*	PA
NASHVILLE	WA4PCD	146.01	146.61	N	PAO
NASHVILLE	WB4NTM	146.04	146.64	*	AT
NASHVILLE	W4PQP	146.16	146.76	N	
NASHVILLE	W4SQE	146.19	146.79	*	
NASHVILLE	WA4PCD	146.25	146.85	N	PA
NASHVILLE	WA4TOA	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	K4AYN	147.645	147.045	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WA4BZU	147.885	147.255	*	TPA
NASHVILLE	WB4ZSA	147.90	147.30	*	PA
NASHVILLE	N4AJS	147.93	147.33	N	
NASHVILLE S.	WB4NTM	147.96	147.36	*	ATL
NASHVILLE S.W.	WB4NTM	146.07	146.67	*	ATL
NASHVLE/FAIRVIEW	N4ARK	144.51	145.11	*	
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12	*	
OAK RIDGE	K4EAJ	147.75	147.15	*	LT
PARIS	K4KLX	147.96	147.36	N	A
PETROS/FRZ HD MT	KJ4SI	147.855	147.255	*	AEAR
PIKEVILLE	K4PUX	147.885	147.285	D	
PINSON	WBOTMC	147.87	147.27	N	C

MORE TENNESSEE REPEATERS

POCAHONTAS	WB4MMI	147.96	147.36	N	
POLK CTY/OSWALD	WD4DES	147.78	147.18	D	A
PULASKI/MUSIC MT	W4JVO	146.175	146.775	D	EA
PURYEAR	WA4CEX	147.765	147.165	★	
RAMER	KF4VM	144.79	145.39	N	EA
ROCKWOOD	AA4KS	147.615	147.015	★	AEA
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	
SHELBYVILLE	W4QEB	147.66	147.06	★	A
SHORT MTN	W4YXA	146.31	146.91	★	
SPARTA/BON AIR	W4BSA	147.69	147.09	N	A
SPRING HILL	NW4E	144.85	145.45	N	A
SULPHUR SPRINGS	KC4DWQ	147.99	147.39	N	AL
TRENTON	WB5LIY	144.61	145.21	N	A EA
UNION CITY	WA4YGM	146.10	146.70	D	A
UNION CITY	WA4YGM	147.615	147.015	D	ARB
WATERTOWN	KE4WA	146.13	146.73	N	T
WAVERLY	NO4Q	146.085	146.685	N	
WINCHESTER	N4NCM	146.22	146.82	★	PA

220 MHZ

BLOUNTVILLE	WA4KMG	222.60	224.20	N	
BROWNSVILLE	KB4YTU	222.60	224.20	N	
CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	WD4MQG	223.04	224.64	N	PA
CHATTANOOGA	K4VCM	223.18	224.78	D	A
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLEVELAND	KK4US	222.72	224.32	N	
CLEVELAND	KK4US	222.72	224.32	N	C
COLLIERVILLE	KB4YGI	222.80	224.40	N	PAL
DONELSON	N4PYI	223.14	224.74	★	C
FISHERVILLE	N4DRL	223.28	224.88	★	AL
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	★	
GREENEVILLE	WB4NKM	220.058	220.058	★	BEAC
GREENEVILLE	WB4NKM	223.34	224.94	★	A
HERMITAGE	WB4RAB	222.30	223.90	N	
JC/BUFFALO MT	WA4UCI	223.18	224.78	D	
KNOXVILLE	KB4FZK	222.62	224.22	★	
KNOXVILLE	WA4YON	222.86	224.46	D	
KNOXVILLE	W4BBB	222.90	224.50	★	
MEM/FISHERVILLE	N4DRL	222.90	224.50	★	AL
MEMPHIS	W4BS	222.82	224.42	N	L
MEMPHIS	WA4KOG	223.18	224.78	★	
MEMPHS/FRAYSER	W4ZJM	222.34	223.94	N	L
NASHVILLE	WB4UEX	222.48	224.08	N	
NASHVILLE	KI4OG	222.84	224.44	★	PALR
NASHVILLE	KM4MC	223.06	224.66	N	AL
NASHVILLE	KI4OG	223.24	224.84	★	PALR
NASHVILLE	N4PYI	223.34	224.94	★	PA
SHORT MTN.	KE4NP	222.66	224.26	★	
SPRINGFIELD	KB8EHB	222.62	224.22	D	
SULPHUR SPRINGS	KC4DWQ	223.26	224.86	N	AL

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
BARTLETT	WA4PAJ	449.25	444.25	N	
BENTON/BEAN MT	K4SIR	449.95	444.95	N	T
BRISTOL/HLST MT	K4LSP	449.50	444.50	N	A
BROWNSVILLE	KB4YTU	449.20	444.20	D	
BROWNSVILLE	KB4YTU	449.45	444.45	N	CPAL
CHATTANOOGA	WJ9J	447.15	442.15	N	AEAL
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	W4AM	449.10	444.10	D	A
CHATTANOOGA	WJ9J	449.425	444.425	N	AEAL
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CLARKSVILLE	KF4GP	449.95	444.95	D	
CUMBERLAND CITY	WD4DBJ	448.40	443.40	★	PAT
FAYETTEVILLE	KC4GPM	448.10	443.10	★	
FISHERVILLE	N4DRL	449.30	444.30	★	AL
FRANKLIN	N4ULM	448.85	443.85	N	
GALLATIN	WD4BKY	449.35	444.35	N	PALT
GALLATIN	WD4KWP	449.45	444.45	★	
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GRAY/HOLSTON MT	WD4SBX	447.20	442.20	★	A
GRAY/HOLSTON MT	WD4SBX	449.55	444.55	★	A
GREENEVILLE	WB4NKM	449.65	444.65	★	RB
HENDERSON	K4TC	449.75	444.75	N	PA
J.CITY/HOLSTN MT	WB4SQC	448.425	443.425	★	
JACKSON	WB4EPG	447.80	442.80	N	A
JACKSON	WB7BOX	449.875	444.875	★	PAEA
JAMESTOWN	N4PTK	448.625	443.625	★	
JASPER	KD4XV	447.05	442.05	D	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	WB4GBI	449.30	444.30	D	
KNOXVILLE	KB4KSL	449.50	444.50	N	
KNOXVILLE	KB4NK	449.60	444.60	★	
MEDINA	K4BEZ	447.05	442.05	N	AL
MEMPHIS	N4ERU	421.25	439.25	N	V
MEMPHIS	N4ERU	439.25	421.25	N	ATV
MEMPHIS	KB4LJV	441.60	441.60	D	L
MEMPHIS	WB4EPG	447.625	442.625	N	
MEMPHIS	WF4G	447.825	442.825	N	
MEMPHIS	W4ZJM	448.00	443.00	N	
MEMPHIS	WA4QWW	448.40	443.40	N	A
MEMPHIS	KA5RYF	448.95	443.95	N	
MEMPHIS	KA0BRN	448.975	443.975	N	ALT
MEMPHIS	WA4ADT	449.00	444.00	★	T
MEMPHIS	K4RDK	449.025	444.025	N	
MEMPHIS	KA4JXT	449.10	444.10	N	
MEMPHIS	WA4KOG	449.40	444.40	★	
MEMPHIS	KA4IZF	449.50	444.50	N	A
MEMPHIS	KOJXI	449.60	444.60	N	
MEMPHIS	KOJXI	449.80	444.80	N	
MEMPHIS	WB4MMI	449.90	444.90	N	L
MEMPHIS	WB4KQQ	449.95	444.95	★	O
MILAN	WD4ABJ	447.10	442.10	★	
MORRISTOWN	KA4NEX	449.20	444.20	N	
MORRISTOWN	KD4LP	449.80	444.80	★	A
MT JULIET	WB4PUB	448.05	443.05	★	PA
NASHVILLE	KJ4ZQ	439.25	421.25	N	V
NASHVILLE	KI4OG	449.05	444.05	★	PAT
NASHVILLE	WB4NTM	449.15	444.15	★	ATL
NASHVILLE	KI4OG	449.575	444.575	★	
NASHVILLE	W4AY	449.675	444.675	N	
OAK RIDGE	K4EAJ	449.40	444.40	★	L
OAKFIELD	WA4BJY	447.20	442.20	D	
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
PULASKI	KB4TPI	439.250	421.250	N	V
PULASKI	KB4TPI	447.150	442.150	N	
ROCKWOOD	KB4NEI	449.00	444.00	★	

10 METERS

JACKSON	NQ4W	29,54	29.64	D	C
KNXVL/ENG MT	WB4IOB	29.52	29.62	D	
MEM/FISHERVILLE	N4DRL	29.58	29.68	★	AL
MEMPHIS/FRAYSER	W4ZJM	29.52	29.62	N	
NASHVILLE	WA4BZU	29.54	29.64	★	TLO
UNION CITY	WA4YGM	29.56	29.66	N	

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	★	L
GREENEVILLE	K4LSP	52.01	53.01	N	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	N	
KNOXVILLE	WA4YON	52.25	53.25	D	
KNOXVILLE	WB4GBI	52.35	53.35		O
KNXVL/ENG MT	WB4IOB	52.15	53.15	D	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	★	AL
MEMPHIS	WA4KOG	52.01	53.01	★	
MEMPHIS	K4RDK	52.55	53.55	N	
NASHVILLE	N4ARK	52.525	52.525	★	RB

1270 MHZ

NASHVILLE	N4MEY	277.25	439.25	N	VL

SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	W4TUN	144.57	145.17	★	
AIKEN	N4ADM	147.885	147.285	D	PA
ANDERSON	N4SZ	146.37	146.97	★	PA
ANDERSON/SAS MT	W4FVV	146.19	146.79	★	
BAMBERG	WA4DFP	144.73	145.33	D	
BARNWELL	WA4FOF	147.63	147.03	★	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	D	
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	K4ILT	146.19	146.79	N	

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

39th ANNUAL

ROCK HILL HAMFEST

SUNDAY - OCTOBER 7, 1990

AS YOU ALL KNOW HURRICANE HUGO PRETTY MUCH DESTROYED JOSLIN PARK. BUT WE WERE ABLE TO GET THE YORK COUNTY FAIRGROUNDS FOR THE HAMFEST MORE PARKING SPACES, MORE INSIDE DEALER SPACE THAN EVER BEFORE.

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MORE SOUTH CAROLINA REPEATERS

CHARLESTON	WB4LET	147.87	147.27	*	PAL
CHELSEA	KB4GY	144.71	145.31	*	
CHERAW	KA4ABW	147.735	147.135	N	AEA
COLUMBIA	KC4LB	144.83	145.43	N	PA
COLUMBIA	WB4NEP	146.115	146.715	N	PA
COLUMBIA	K4AVU	146.28	146.88	N	
COLUMBIA	N4NUY	147.93	147.33	N	
COLUMBIA	N4EOY	147.96	147.36	*	L
CONWAY	WD4JMT	144.51	145.11	*	
DILLON/PEE DEE	NN4N	146.145	146.745	*	
DORCHESTER	W4NAT	147.78	147.18	*	
FLORENCE	W4ULH	146.25	146.85	N	A
FLORENCE	WA4ISM	146.37	146.97	*	PA
FT MILL/CAROWND	AA4SC	147.78	147.18	*	
GASTON	WB4NEP	144.61	145.21	N	PA
GEORGETOWN	WD4DMI	147.975	147.375	N	
GREENVILLE	W4IQQ	146.34	146.94	*	
GREENVILLE	K4LEO	147.975	147.375	*	T
GREENWOOD	K4VIA	147.765	147.165	*	PA
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	*	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	*	PA
HILTON HEAD	N1BAL	147.84	147.24	*	
INMAN	WD8OXE	144.55	145.15	*	PA
LANCASTER	W4PAX	146.10	146.70	*	
LANCASTER	KC4AC	147.84	147.24	*	
LEXINGTON	KA4FEC	147.99	147.39	*	
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	EA
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MT PLEASANT	K4ESG	146.385	146.985	N	PA
MT. PLEASANT	K4LWS	147.90	147.30	N	PAT
MYRTLE BEACH	WA4DDK	144.87	145.47	N	T
MYRTLE BEACH	WD4JMT	147.72	147.12	*	EA
MYT BEA/BRKSVLLE	W4DCD	147.885	147.285	D	AL
N. AUGUSTA	K4FKJ	146.13	146.73	*	
N. MYRTLE BEACH	K4HOG	147.63	147.03	D	PA
NEWBERRY	KB4CO	146.085	146.685	D	
ORANGEBURG	N3FYC	146.205	146.805	N	C
ORANGEBURG	K4RDN	147.69	147.09	N	C
PICKENS	WB4YXZ	146.40	147.00	N	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	D	A
ROCK HILL	AA4PF	144.71	145.31	*	PAL
ROCK HILL	K4YTZ	146.43	147.03	D	PA
ROCKY SPUR	WD4MGM	147.885	147.285	*	
SANTEE	W4DTW	147.825	147.225	N	A
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	PA
SIMPSONVILLE	WD4BJY	146.13	146.73	*	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
SPARTANBURG	K4JLA	147.69	147.09	N	
ST. MATTHEWS	AD4U	146.07	146.67	*	A
SUMMERTON	N4LWY	144.55	145.15	D	PA
SUMTER	KB4FIQ	146.04	146.64	N	
SUMTER	WA4UMU	147.615	147.015	N	EA
SUMTER/SHAW	W4VFR	147.66	147.06	*	A
WHITE HALL	W4BWZ	146.31	146.91	N	
220 MHZ					
AIKEN	W4TUN	223.36	224.96	*	
COLUMBIA	N4EOY	223.30	224.90	*	LRB
CROSS	KB4VFD	222.98	224.58	*	CA
GREER	W4ILY	222.38	223.98	N	PA
LITTLE MT	KA4FEC	222.52	224.12	*	
PARIS MT/GRNVL	W4NYK	223.32	224.92	N	C
PICKENS	WB4QHF	222.80	224.40	*	PA
PICKENS/CSRS HD	WB4QHF	222.54	224.14	*	LRB
PICKENS/SASFR MT	AJ4N	222.46	224.06	*	
RIDGEVILLE	N4CII	222.48	224.08	*	
440 MHZ					
AIKEN	W4TUN	448.40	443.40	*	
ANDERSON/SAS MT	WD4BUH	449.925	444.925	N	
CAESARS HEAD	WB4LZQ	448.875	443.875	N	
CHARLESTON	N4MNH	449.30	444.30	*	A
COLUMBIA	N4EOY	448.00	443.00	*	LRB
COLUMBIA	K4NHN	449.20	444.20	N	
CROSS	KB4VFD	447.30	442.30	*	CA
GREENVILLE	KJ4IS	447.25	442.25	N	C
GRNVLE/PARIS MT	ND4N	448.10	443.10	*	PA
LEXINGTON	N4GUP	439.25	421.25	*	V
MT PLEASANT	N4DRU	449.70	444.70	N	
PICKENS/CSRS HD	WB4QHF	447.40	442.40	*	
SUMMERVILLE	WA4HNK	448.80	443.80	*	PA
SUMTER	WA4UMU	439.25	423.25	N	V
10 METERS					
RKY RDG/WALLACE	KA4ABW	29.60	RMT.BS	D	RB
6 METERS					
PICKENS	WB4YXY	52.41	53.41	N	

SIXTEENTH ANNUAL

DUR-HAM-FEST

SATURDAY, MAY 26, 1990

8:00 a.m. until 4:00 p.m.

SOUTH SQUARE MALL, DURHAM, NORTH CAROLINA

BIGGER AND BETTER EVERY YEAR !

Entire Flea Market Under One Roof - Buy and Sell - Rain or Shine !
Something for Everyone: Dealers, New and Used Equipment,
PRIZES, Parts, COMPUTERS, High Class "Junque", Friends, Fun !!
Largest Shopping Mall in Durham: Bring the Entire Family !
See Museum of Life and Science, Duke Gardens, Duke Homestead,
Duke Chapel, Bennett Place, Research Triangle Park.

FCC EXAMS - PREREGISTRATION REQUIRED - Form 610 and $4.75
Contact: Pete Goolsby, KY4Y, 120 Radcliff Circle, Durham, N.C. 27713

SPONSORED BY THE DURHAM FM ASSOCIATION

AND THE FRIENDLY REPEATERS: WA4WTX/R

147.825-147.225 and 222.34-223.94 Hillsborough
144.85-145.45 and 449.1-444.1 Durham

MAIN TALK-IN ON 147.825-147.225

$5 AT THE GATE, $4 IN ADVANCE. TABLES FOR RENT $6 EACH.

GENERAL INFO: SID EDWARDS, W4QWM, 1700 HIGH ST., DURHAM,NC 27707, 919-489-2933

FOR ADVANCE TICKETS AND TABLE RESERVATIONS, SEND S.A.S.E. AND CHECK TO:

FOR DEALERS: ED LAPPI, WD4LOO, 203 LYNN DR., CARRBORO, NC 27510 919-541-7688

FOR TAILGATERS: R.P. BUEHLMANN, N4IQA, 1314 CHANEY RD., RALEIGH, NC 27606

Life Saving Efforts In Tennessee on 2-Meter Radio

— by Jean Giesler, Jr., W4TYU

Early on a Sunday morning in September, Bill Scarborough, KM4CE, and a lady friend were driving along Highway 62 en route from Oak Ridge to Wartburg, Tennessee for a day of white water rafting.

As Bill approached the intersection with Highway 116, they noticed a plume of black smoke ahead, and turned toward the small town of Petros to investigate.

Upon arrival at the source of the smoke, they found a home burning with the flames bursting through the roof. They found a badly burned woman laying next to the porch, and quickly moved her away from the flaming building.

Bill's friend circled the house and found the owner laying in the back yard, overcome by heat and smoke, apparently after rescuing the lady.

Bill used his 2-Meter radio to call for help on the local repeater. Joel Hall, KJ4SI, was still in bed, but as trustee of the repeater was monitoring. He reached out and punched in the autodial code for the Sheriff's Department.

Bill gave the information about the fire and injuries to the dispatcher. He immediately sent the local Volunteer Fire Department and ambulances from Wartburg, as well as officers from his department.

Within minutes, help arrived. The man was treated and released but the woman, who was badly burned, did not survive. This is what makes all the coordination effort worthwhile. I coordinated this repeater in March of 1987, and Joel and other members of the Morgan County ARC have spent many a weekend installing and maintaining the machine. It is located on Frozen Head Mountain, and requires about a 20 mile drive over very poor roads to reach the site.

During the crisis, the machine performed well, and the Amateurs involved performed well. . . as it should be! Well done, folks!

Mountain Empire ARS Keeps Busy

— by Phil Berry, N4AKZ, President

The Mountain Empire ARS was formed in February of 1988 in Abingdon, Va. Presently 26 members are active in the growing club.

The main purpose of the club is to provide emergency radio communications, when needed in the counties of Washington, Smyth, Bland, Grayson and Carroll in Southwest Virginia.

The club's emergency operations center is located at the Washington County Central Dispatch Center in Abingdon. The EOC is equipped with HF, VHF and UHF gear for Amateur use, and additional 2-way local government radios. The organization is part of the EMS Emergency Services council of Washington County.

This past year, the club members ran a special events station during the Virginia Highlands Festival in Abingdon which netted over 100 contacts.

Radio communications were also provided for the American Lung Bike-A-Thon in August. The next month, they worked with Bristol and Kingsport clubs during a telephone outage in Kingsport, Tn. to provide vital two-way radio communications for the city.

The Mountain Empire ARS meets on the 4th Thursday of each month at the Central Dispatch center in Abingdon at 7:00 p.m. All local and area hams are cordially invited to attend. Local repeaters 04-64 and 07-67 are open for information.

Present officers of the club include: Phil Berry, N4AKZ, President; Mike Barker, N4OIV, Vice Pres.; Patricia Berry, WD4BXV, Secretary; Dave Patrick, N4RJJ, Treasurer; and Gary Sutherland, KM4X head of the Technical Committee.

Repeater Owners!!! Time to Renew or Join SERA Full Membership

If you missed the datasheet we sent out, you may still renew or join SERA as a Full Member repeater with this form. Fee is $15.00. All repeaters you own or sponsor may be listed on this form or additional sheets if necessary.

Deadline to be listed in next Journal is April 1. Submit form (or legible copy) and your check for $15.00 to:
SERA Membership, P.O. Box 215, Tobaccoville, N.C. 27050.

SouthEastern Repeater Association, Inc.

FULL REPEATER MEMBERSHIP APPLICATION FOR YEAR 1990

City/Mtn (Max 14 Char)	Callsign	Input Freq.	Output Freq.	
				No. 1
				No. 2
				No. 3
				No. 4

Name Two Full Member Representatives to SERA (Only These Two Persons Receive The Journal.)

Name _____ Call _____
Address _____
City _____ State _____ Zip _____
Phone: ( ) _____
ARRL Member ( ) Yes ( ) No

Name _____ Call _____
Address _____
City _____ State _____ Zip _____
Phone: ( ) _____
ARRL Member ( ) Yes ( ) No

Membership: New_____ Renewal_____ Fee Enclosed ( ) Yes ( ) No Amount:_____
Repeater Sponsor _____ Date _____

SERA is Coordinator for NC, SC, VA, WVA, TN, KY, GA & MS.

GREENVILLE, S.C. HAMFEST

"The Olde Fashion Hamfest"

SATURDAY AND SUNDAY
May 5th & 6th, 1990

American Legion Fairgrounds - Greenville, S.C.
1 Mile North of I-85 on Hwy. 25 By-Pass

Talk in 146.01 - 146.61 Alt. 146.22 - 146.82

Flea Market, Dealer Displays, Food Concessions
Free Parking, Camping.
Prizes: Hourly, Door, Preregistration
Plus Saturday & Sunday Grand Prizes

For Advance Tickets, Make Checks Payable To:

Blue Ridge Amateur Radio Society, Inc.

P.O. Box 6751
Greenville, S.C. 29606

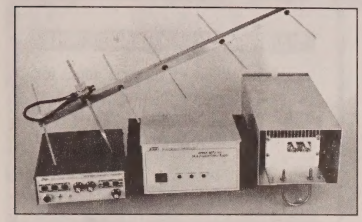
★ ★ SEND SASE ★ ★

TICKETS

$4.00 Advance - $5.00 @ Door • Extra Prize Tickets 6/$5.00 13/$10.00

Dealer Inquiries Invited!

AEA Announces New ATV System



AEA is proud to introduce its complete Amateur Television (ATV) system which includes the new and improved FSTV-430A transceiver, LA-430/50 linear amplifier with MPS-100 power supply, and 430-16 antenna. Technician class or above amateur radio operators can now enjoy Fast-Scan TV (FSTV) that rivals broadcast television quality. Transmit AND receive live or taped full color video and crisp audio.

The Basics. The basic components of the ATV system are the FSTV-430A transceiver and 430-16 antenna. The FSTV-430A simply connects to a video camera or camcorder, a standard TV set and the 430-16 430 MHz antenna.

The New FSTV-430A Transceiver. The newly designed FSTV-430A transceiver features a low-noise UHF GaAsFET preamp with a typical low noise figure of less than 1.5dB and a crystal-controlled or variable tuning down converter. Output is available on channel 3 or 4 for signal reception AND monitoring transmissions. Two frequencies can be selected from the front panel for transmission (one crystal is included with the unit). The new design is also optimized for superior video and audio quality without sync buzz even with weak signals.

The 430-16 Antenna. AEA's 430-16 antenna is a high-performance 16-element, 10-foot boom computer-optimized yagi specifically designed for ATV operation. It features broadband frequency coverage from 420 to 440 MHz, 14.3 dB gain, O-ring sealed connectors, 28 degree E plane and 32 degree H plane beam widths.

The LA-430/50 Amplifier With Power Supply. To give a boost to ATV signals, AEA also offers a 50 watt P.E.P. mast-mounted Linear Amplifier (patent pending) covering 420 to 450 MHz and a GaAsFET preamp which utilize the antenna feedline for DC power. The mast-mount eliminates the line loss between the amplifier/preamplifier and the antenna to improve both transmission and reception. It's the equivalent of a 100 watt amplifier in the shack with 55 feet of RG-8 coax with a 3 dB line loss or a 200 watt amplifier with 110 feet of RG-8 coax. The amplifier is housed in a weather resistant alodized aluminum case. The MPS-100 power supply for the LA-430/50 also provides a regulated 13.6 volt output for the FSTV-430A. This remote amplifier/pre-amplifier unit is also an excellent choice for OSCAR satellite work.

Akers Mississippi Vice-Director

SERA President Carter Cogle confirmed that Jim Akers, W5VZF of Starkville, Ms. has been appointed Vice-Director of the new Mississippi District.

Akers will work with Director Steve Grantham, N5DWU with coordination chores for that area. Grantham said he and Akers will split coordination responsibilities. Akers will coordinate all repeaters North of the 33rd Parallel, and Grantham will handle coordination South of the 33rd Parallel.

Akers, like Grantham will hold office through 1990 when their term will run out at the same time as Directors and Vice-Directors in the other SERA States.

SERA Address Has Changed!

Members are reminded that the SERA address has changed, effective immediately. All Associate Membership, Full Membership and Advertising information should be mailed to the new address:

SERA
P.O. BOX 215
TOBACCOVILLE, NC 27050-0215

Please note that David Ward, KA4LVO and Sharon have a new phone number. David handles all Membership information and Sharon all Repeater Journal advertising. Their new number is: (919) 983-0879. For your convenience, a recorder is connected to the phone for 24-hour service. If you cannot get them "live" leave a message and your number, and they'll get back to you ASAP.

FAYETTEVILLE W.V.

HAMFEST

SUNDAY FEB. 25th

AT FAYETTEVILLE HIGH SCHOOL

TAKE LAUREL CREEK EXIT OFF US ROUTE 19 EAST TWO BLOCKS

REGISTRATION FEE $4.00 FLEA MARKET TABLES $5.00

HOT FOOD AND REFRESHMENTS TALK IN ON 146.79

MAJOR EXHIBITORS

NEW EQUIPMENT ON DISPLAY—— ACCESSORIES——USED GEAR

FOR FURTHER INFORMATION CONTACT:

JOHN WITT W8OQC
135 DANIELS STREET

FAYETTEVILLE, W.V. 25901
PHONE 304-574-0532

CASH PRIZES

(club members not eligible to win)

SPONSORED BY PLATEAU AMATEUR RADIO ASSOCIATION

WEST ANTENNA SERVICE — YOUR SOURCE FOR ROHN TOWERS AND ACCESSORIES

Rohn 25G Straight Sections

In addition to a large stock of straight tower sections, we also have flat and sleeved top sections, thrust bearings, house brackets, short base sections, rotor plates, guy assemblies, guy wire, cable clamps, turnbuckles – you will need for a complete tower installation.

Utility Poles & Hardware

We have a limited variety of utility pole hardware and can supply utility poles in the Greensboro, N.C. area.

Scotchkote Electrical Coating

Made by 3-M Co. This can be used for underwater connections also. A 15 oz. can will do 50 to 100 connections.

15 Oz. can Scotchkote coating . . . $10.00

Rope

West Antenna has a huge inventory of all types of synthetic rope in all sizes to fit your every need. Large or small, your rope requirements can be met by us.

CHECK THESE ROPE SPECIALS:
BLACK TWISTED POLYPROPHELENE

Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

¼ inch . . . . . 4 cents/foot
600 foot spool $20.00
1,000 foot spool $30.00
⅜ inch . . . . . 8 cents/foot
600 foot spool $40.00

Hard Line and Connectors

West Antenna can also supply ½, ⅞, 1¼, and 1⅝ inch hard line in corrugated copper, as well as ¼ inch corrugated copper superflex. We also have a limited stock of hard line connectors. If we do not have the connectors you need, they can be supplied within approximately 10 days.

Cadweld

The fastest and most reliable connections for buried or above ground rods. This system provides a molecular bond that can't loosen, can't corrode, isn't subject to galvanic corrosion, and is capable of carrying more current than the grounding conductor itself. West Antenna Corporation can supply and install ground systems for commercial tower sites.

Battery Taps

Assembly provides connection to battery cable on the new side-terminal batteries, or any connection situation where terminals are not accessible. Slips over cable and set screw penetrates jacket for contact. Radio wire slipped into hole and second set screw tightens. This has proven quite adequate for high current needs.

Battery Taps . . . . . $4.95 ea.

Polyphaser Lightning Suppressors

High quality commercial units. Low loss, low noise. Frequency range through 2 Ghz. Bulkhead and inline types are available, including rotor cable and D.C. control lines. Call for prices.

2-way shops are urged to check for Dealer Pricing.

Miscellaneous

PL-259 Connectors (U.S. Made) . .65¢
10 or more . . . . . 60¢
UG-175 or 176 Adapters . . . . . 30¢
10 or more . . . . . 25¢

Other Tower Accessories

Aluminum mast pipes, feature 2 inch OD 6061 tubing with ¼ inch wall.

12 foot lengths, 19 lbs. - In Stock
24 foot lengths, 38 lbs. - In Stock

Touch rust spots on your tower and antenna bolts with RUSTOLEUM, cold galvanizing.

Large Industrial spray can . $8.00

Stainless Steel Strapping Kits

Stainless steel strappings kits, for strapping hardline or multiple runs of Coax. Kits come with 25, 50, or 100 feet of stainless steel strapping and buckles.

For the Ultimate Mobile Installation

We have what you need - wire, fuse blocks, fuses, connectors, relays! You want your Mobile Low Band or amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE - Single Conductor-Stranded.
red or black vinyl insulation
#10 wire . . . 30¢ per foot
#14 wire . . . 20¢ per foot

FUSE BLOCKS - Our fuse blocks are rugged, holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

30AMP Fuse Block $4.95
60AMP $5.95

Fuses - 5,6,7,8,10,20,25,30 Amp . . . . . 80¢ each
35,40,45,50 & 60 Amp. Fuses also available upon request.

RELAYS - These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting . . . . . Special $13.95

40 Amp. cont. duty solenoid-type, 12 V $34.95
(Commercial Dealers, call for Dealer Prices)

Other Accessories at Good Prices!!

Guy Wire Insulators - Compression-type porcelain. Approx. 1½ x 2½ inches, ⅜ inch hold.

Insulators $2.40
10 or more $2.10

WEST ANTENNA SERVICE

Harwood West, WB4RLO • Local Call (919) 621-2473
4110 BURLINGTON ROAD U.S. WATTS: 800-334-4252
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ROCK SOLID

"The seven IC-735's used at P4OV performed well. Their excellent dynamic range contributed to our victory at P4OV. The IC-735 is a true champion!" Dale Green VE7SV

ICOM

First in Communications

ICOM's IC-735 is the world's most popular HF transceiver for three simple reasons: **Performance, Size and Reliability.** With the highest performance, smallest size, and best customer satisfaction of any HF transceiver, the IC-735 is the undisputed champion for fixed, portable or mobile operations.

- **Field Proven 100W Transmitter** with 100% duty cycle. Proudly backed with ICOM's full one-year warranty.
- **105dB Dynamic Range Receiver** includes passband tuning, IF notch, adjustable noise blanker, and semi or full CW QSK.
- **Conveniently Designed.** Measures only 3.7"H by 9.5"W by 9"D. Great for mobiling or portable operation!
- **Optional AH-2 Automatic Tuning Mobile Antenna System** covers 3.5MHz-30MHz.
- **All HF Amateur Bands and Modes** transmits all U.S. HF amateur bands. General coverage receiver.
- **12 Tunable Memories** operate and reprogram like 12 separate VFO's. Supreme flexibility!

COME SEE US!!

At The Following
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We Have All The Latest ICOM Transceivers & Acc.

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GREENSBORO, N.C. 27407 (919) 299-3437

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Letter to Repeater Owners

Continued From Page 1

along with a Board of Directors, elected by all 8 states Full Member repeaters carry on the business of SERA. The ultimate "boss" in your State is your State Director, elected by you Full Member repeater owners. He has the ultimate responsibility to see that things run smoothly in your State, as well as coordinate and communicate with all repeater owners in his State.

The present Directors and Vice-Directors will hold office through 1990, at which time, they will be up for re-election by SERA Full Members of the respective states.

The SERA Board is comprised of three persons from Tennessee and one from Virginia. Appointees of the Board, which include the Membership Chairman, Publications Chairman and Computer operators are from North Carolina. The SERA Corporate Headquarters is in North Carolina. The organization was originally chartered in that state in 1971.

Do You Have to Join as Members of SERA?

Absolutely not! Being a Full Member repeater of SERA is not a prerequisite for getting assistance or coordination from your Director. He must treat ALL repeater owners equally, Full Members or not. SERA keeps up with all known repeaters in the 8 states, whether they are members of the organization or not.

Should You Join SERA?

Although it is not required, you are probably aware that operating an organization such as SERA takes money. Publishing a first class magazine such as you are reading costs a bundle. SERA receives approximately 70% of its revenues from Full and Associate Membership, and the remainder from Repeater Journal advertising. Being a Tax Exempt organization, SERA strives for a break-even point each year.

Without Full Member repeaters, or Associate Member, repeater users, there would be no SERA. Fortunately, we have hundreds of repeater users and repeater owners who feel that membership is a small price to pay to help finance an organization such as SERA, which keeps our VHF and UHF Amateur bands in good shape, free from interference and chaos.

The added bonus for membership is the award winning Repeater Journal, mailed to each member quarterly. The Journal is second to none in keeping Amateurs up-to-date as to what is going on in the Southeast. Our repeater lists are the largest and most accurate of any in the nation and are updated EVERY quarter.

If you feel that being a member of SERA is worthwhile, and you feel the payback is sufficient — join! If you don't, SERA will still be around to help you out whenever you need them. All you have to do is ask!

Again, welcome to SERA, Kentucky and Mississippi. We are sure your local Directors are glad you voted as you did. Together we can benefit Amateur Radio. It's our hobby so let's work together to keep it fun!

— Wayne C. Williams, K4MOB
Editor & Publisher
The SERA Repeater Journal

Support SERA and Get The Journal

SouthEastern Repeater Association, Inc.

FINANCIAL STATEMENTS — Ray Adams, N4BAQ

Calendar years 1985, 1986, 1987, 1988, and 1989

Dues REVENUES	$5/$10 1985	$6/$15 1986	$6/$15 1987	$6/$15 1988	$6/$15 1989
Advertising	$ 7,434.10	$ 6,595.75	$ 6,611.50	$ 8,372.00	$10,838.50
Associate membership dues	11,788.23	12,559.00	13,412.00	13,617.50	13,826.25
Full membership dues	4,242.00	4,382.25	4,070.25	5,972.50	5,336.00
Decals	278.50	70.50	31.00	116.50	31.00
Postage - includes HOT-P	125.50	266.50	273.50	180.00	238.50
Interest	60.82	273.18	401.80	526.52	277.26
Hats	231.50	123.37	63.00	47.50	-0-
Contributions	-0-	182.00	102.00	45.00	336.40
Other	82.75	83.64	16.90	12.00	196.25
	$24,243.40	$24,536.19	$24,981.95	$28,889.52	$31,080.16
EXPENSES					
Journal mailing	$ 2,292.49	$ 3,378.48	$ 2,511.95	$ 2,777.70	$ 3,807.79
Journal printing	15,620.34	12,783.43	16,553.59	20,703.90	20,869.73
Miscellaneous	578.78	-0-	120.13	199.56	153.75
Travel and meetings	996.50	1,428.90	2,051.22	1,241.72	2,424.98
Office expenses	308.80	137.87	171.10	367.96	1,051.70
Amortization of office machines	448.00	448.00	875.63	862.24	1,125.90
Postage - other than journal	1,238.74	387.44	721.06	1,153.74	1,696.36
Printing - other than journal	2,011.15	186.96	848.63	1,115.57	515.12
Telephone	452.59	576.38	442.37	995.83	494.04
	$23,947.39	$19,327.46	$24,295.68	$29,418.22	$32,139.37
REVENUE OVER (UNDER) EXPENSES	$ 296.01	$ 5,208.73	$ 686.27	($ 528.70)	($ 1,059.21)
Balance, Beginning of year					
Expenses advanced	$ 900.00	$ 950.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	1,344.00	896.00	2,571.63	1,696.00	3,026.00
Cash in bank	1,413.04	2,107.05	5,690.15	7,252.05	5,393.35
	$ 3,657.04	$ 3,953.05	$ 9,161.78	$ 9,848.05	$ 9,319.35
EQUITY TO ACCOUNT FOR	$ 3,953.05	$ 9,161.78	$ 9,848.05	$ 9,319.35	$ 8,260.14
Less: Expenses advanced	$ 950.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in office machines	896.00	2,571.63	1,696.00	3,026.00	3,203.60
	$ 1,846.00	$ 3,471.63	$ 2,596.00	$ 3,926.00	$ 4,103.60
CASH IN BANK	$ 2,107.05	$ 5,690.15	$ 7,252.05	$ 5,393.35	$ 4,156.54

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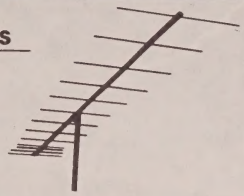
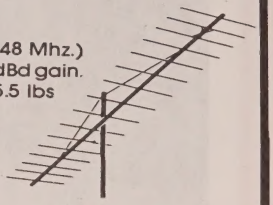
144-148 Mhz., 13 elements with 13.3 dBd gain. Boom Length is 21.5 feet. 9 lbs., 2-in mast.

List Price - $95.00
Sale Price - $89.95



2M-11X
144-146 (usable 143.148 Mhz.)
11 elements with 12.5 dBd gain.
Boom Length 15.4 ft. 5.5 lbs

List Price - $84.00
Sale Price - $79.95



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KLM Antennas are Second to None in Performance! KLM gain figures are based on the National Bureau of Standards, as expressed in dBd and dCd. Some manufacturers express gain of their antennas in Isotrophic or other non-standard sources, which will make their gain figures look higher than KLM.

ANTENNAS FOR 2-Meters
2M-11X - 11 ele., 12.5 dBd-15.3' Boom (List $87) $79.95
2M-13LBA - 13 ele.; 13.3 dBd-21.5' Boom (List $99) $89.95
2M-16LBX - 16 ele., 13.2-14.5 dBd-28' Boom (List $202) $169.95
2M-8 - 8 elements, 10.3 dBd-7.25' Boom (List $102) $89.95
2M-4X - 4 elements (end mt.) 8.5 dBd-4.2' Boom (List $64) $59.95

2-METER CIRCULAR POLARIZATION
2M-22C - 22 elements; 13 dBdc-19' Boom (List $221) $189.95
2M-14C - 14 elements, 11 dBdc-12.75' Boom (List $170) $149.95

2-METER VERTICALS
JV-2 60-in. tall, 144-148 Mh. 5 db/gr pl (List $116) $99.95
JV2X 11-ft. tall; 144-148 Mh. 7 db/gr pl (List $159) $135.95

220 Mhz. BEAMS
220-7 - 7 elements, 8.8 dBd-4.75' Boom (List $79) $69.95
220-14X - 14 elements, 13.5 dBd-14.5' Boom (List $113) $99.95
220-22LBX - 22 elements, 15.6 dBd-29.75' Boom (List $142) $129.95
JV-220X - 88-in Tall VERTICAL 7 dB/gr pl (List $146) $129.95

432 BEAMS
432-20 LBX - 20 elements, 15.3 dBd-12.3' Boom (List $151) $129.95
432-30 LBX - 30 elements; 17.3 dBd-22' Boom (List $175) $149.95

435 CIRCULAR POLARIZATION BEAMS
435-18C - 18 ele. 12 dBdC, w/CS-2 sw-7.3' Boom (List $222) $189.95
435-40CX - 40 ele. 15.2 dBdC-175.5" Boom (List $259) $219.95

440-450 FM BEAMS
440-6X - 6 elements; 8.9 dBd-2' Boom (List $57) $55.95
440-10X - 10 elements, 10.2 dBd- (List $68) $65.95
440-16 - 16 elements, 11.5 dBd (List $125) $115.95
JV-440X - 420-470 VERTICAL, 7 db/gr pl. (List $122) $109.95

6-METER ANTENNAS
JV-6 - 6-Meter, 50-54 Mhz. 15' Tall-5 db/gr pl. (List $109) $89.00
6M-5 - 5 elements; 9.7 dBd-11.75' Boom (List $209) $175.95
6M-7LB - 7 elements; 11.5 dBd-25.75' Boom (List $304) $254.95

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CJ2M (2M) . $33.00 CJ220M (220 Mhz) $32.00 CJ440 (440 Mhz) . . $29.00

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KT-34A TRI-BAND 7 dBd, 4 el-16 ft boom (List $501) $419.00
KT-34XA TRI-BAND 8.5-11.3 dBd; 6 el (List $723) $599.00
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NOTE; Prices for UHF/VHF (In Stock) antennas plus UPS shipping or freight. (Approximately $5.00). All HF beams will be drop-shipped from the factory, by truck and freight will be billed C.O.D. Delivery within 10 days to 2 weeks. Prices subject to change without notice. N.C. residents add 5% Sales Tax. NO CREDIT CARDS. For Phone CODs add $3.50

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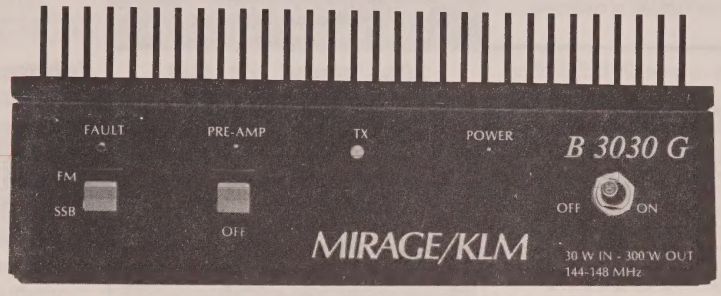

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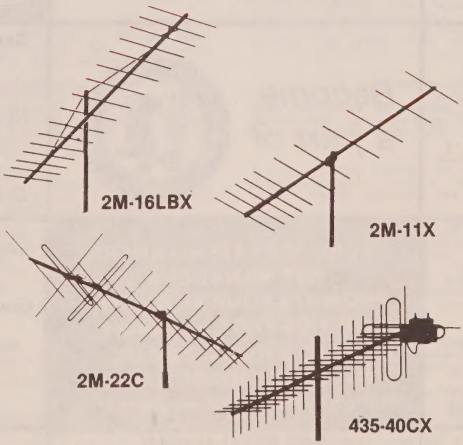
Anything from short-range YAGI's or verticals to long-range satellite circulars.

2M—16LBX

Bandwidth.....144-148 MHz
Gain.....13.2-14.5 dBd
VSWR 1.2:1
F/B.....20 dB min.
Element Length...40⅝" max.
Boom Length.....28 ft.
Windload.....2.44 sq. ft.
Turn Radius.....15 ft., 5 in.
Weight.....10 lbs.

2M—22C

Bandwidth.....144-148 MHz
Gain.....13 dBc
VSWR.....better than 1.5:1
F/B.....20 dB min.
Element Length.....41" max.
Boom Length.....19 ft., 1 in.
Windload.....1.85 sq. ft.
Turn Radius.....13 ft.
Weight.....11 lbs.



2M—11X

Bandwidth.....144-148 MHz
Gain.....12.5 dBd
VSWR 1.2:1
F/B.....20 dB min.
Element Length...40⅝" max.
Boom Length.....15 ft., 4 in.
Windload.....1.38 sq. ft.
Turn Radius.....15 ft., 4 in.
Weight.....5.5 lbs.

435—40CX

Bandwidth.....410-450 MHz
Gain.....15.2 dBc
VSWR 1.5:1
F/B.....20 dB min.
Element Length.13.625" max.
Boom Length.....175.5 in.
Windload.....1.16 sq. ft.
Turn Radius.....105 in.
Weight.....10 lbs.

Antenna gain figures used by MIRAGE/klm are measured according to the National Bureau of Standards. These figures are actual gain listed in dB at free space measured over a dipole. Some manufacturers do not choose to use this standard and therefore indicate gain figures that appear to be higher.

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REPEATER-CLUB-NET SERVICE PAGE

The Repeater Journal will publish authorized VE examination schedules quarterly in each issue. VECs and VEs are encouraged to use this vehicle to publicize their examination schedules FREE of charge. Send schedules to the Repeater Journal editor. Deadlines are 1st of Month prior to month of publication.

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YOUR HOME TOWN REPEATERS

REPEATER JOURNAL VE/VEC EXAMINATION SCHEDULE

— As Supplied by VE Teams

TENNESSEE

Blount County, Maryville WCARS-VEC
Second Monday-Each even month, Apr.9, JUn.11, Aug.13, Oct.8 and Dec.10. 7:00 P.M. at St. Andrews Church Hall, W. Broadway, Maryville. Walk-ins normally accepted. Contact: Carrol Peabody, W4PCA (615) 982-5839. June 12, August 14, Oct. 9, and Dec. 11.

Carter County WCARS-VEC
Walk-ins accepted if registered by 8:45 a.m. Exams some Saturdays at 9:00 a.m. Contact Joe Hopkins, K4BKI, (615) 543-4022 for schedules.

Chattanooga WCARS-VEC
Exams held at Red Cross Building. Pre-registration required 2 days in advance. For scheduling information, contact Bruce Adams, KA5DLV (615) 899-9687.

Cleveland WCARS-VEC
Quarterly Exams at STAR Club Building. Sat. and Sun Afternoons at 3:00 p.m. Mar. 10 & 11, Jun.9 & 10, Sep.8 & 9, and Dec.8 & 9. Walk-ins normally accepted. Contact: Russell E. Lawson, WB4LCB, 802 SE 20th St. Cleveland, Tn. 37311. (615) 476-8476. Alternate contact, Herschel N. Hamby N4ADO, 1795 Young Rd. SE, Cleveland, Tn. 37311. (615) 472-1752.

Fentress County WCARS-VEC
Walk-in exams scheduled. For information contact: Mike Ledbetter, AB4BX, (615) 879-8626 or alt: Steve Qualls, KJ4HT, (615) 879-7517.

Greeneville WCARS-VEC
Exams on 4th Saturday of each odd-numbered month at Cumberland Presbyterian Church. Mar.24, May 26, Jul.28, Sep.22 and Nov.24. Walk-ins normally accepted. Contact Tom Austin, K4OTM (615) 639-3465 or alt: Jack Creed, K4EPC, (615) 638-7056.

Henry County WCARS-VEC
Exams with walk-ins held at Henry County High School, Paris. Contact Mackie Gallimore AA4YF, (901) 247-5489 for future schedules. Alt. Les Merrell, KQ4F, (901) 642-5966.

Jasper WCARS-VEC
Walk-in exams held Sunday afternoons at Jasper Public Library. For schedules, contact: Charles Wooten, KD4XX, (615) 942-5116.

Knoxville WCARS-VEC
Third Saturday of each month normally. Upgrades only. Novice testing on request from NY4A, N4BAQ, ND4F, WA4GZE, N4IJL, W4MHA, KM4SX, WA4TKN and others. Pellissippi State Tech. Room B-129. (except Hamfest dates) Pre-registration required. Contact: Ray Adams, N4BAQ, 4325 Felty Dr., Knoxville, Tn. 37918. (615) 688-7771. Alt. Rich Slover, ND4F, 2700 Waverly St. #4, Knoxville, Tn. 37921, (615) 525-5923. Sked: Mar.3, Morristown Swapfest, Mar.17, Apr.14 Oak Ridge Hamfest, Jun.2 Knoxville Hamfest, Jun.16, Jul.21, Aug.18, Sep.15, Oct.20, Nov.17, and Dec.15.

Loudon County, Loudon WCARS-VEC
Fourth Saturday of each even month, at Third National Bank on U.S. 321 E. (321 is Exit 81 on I-75, then East to Bank) Walk-ins normally accepted. Contact: Bob Gray, KE4SK (615) 458-6115.

McMinn County WCARS-VEC
Exams on 2nd Monday evening at 8:00 p.m. of each odd numbered Month, at Athens Municipal Building Council Chambers. Walk-ins accepted. Sked: Mar.12, May 14, Jul.9, Sep.10, and Nov.12. Contact Ben C. Dickson, W4NEG, (615) 745-2198. Alt. Evan Ray, WA4PNI. (615) 263-9300.

Metropolitan Memphis Area ARRL-VEs
Exams on First Saturday in February, April, June, August, December at 9:00 a.m. at State Technical Institute in Memphis. Exams October 13 at "Memfest '90" at Mid-South Fairgrounds. Pre-registration for all sessions within 2 days of exams. Contact Harry Simpson W4MI at 1830 Macaulay Ave., Memphis, Tn. 38127. Call (901) 357-8148.

Morgan County WCARS-VEC
Second Saturday of each odd month at Joyner Volunteer Fire Dept., Coalfield. Sked: Mar.10, May 12, Jul.14, Sep.8, and Nov.10. Walk-ins normally accepted. Contact: Paul Seavers, AA4UP (615) 435-6052.

Roan County WCARS-VEC
Second Saturday of each even month at Pond Grove School, Rockwood. Sked: Feb.10, Apr.14, Jun.9, Aug.11, Oct. 13 and Dec.8. Walk-ins normally accepted. Contact: Richard Spillee, AA4KS, (615) 354-4281. Alt. Bill Smelcer, KA4AAD, (615) 882-9070.

WEST VIRGINIA

Bluefield W5YI-VEC
Exams (Novice thru Extra) second Saturday each Quarter, Feb., May., Aug., and Nov. 9:00 a.m. Bluefield State College. Walk-ins are preferred. Contact: Don Williams, WA4K, (Bluefield VE Team) (703) 326-2411 or (703) 326-3338.

Charleston, W.Va. W5YI-VEC
The Kanawha Valley group gives Novice thru Extra class exams at 9:00 a.m. 3rd Saturday of each month, at Holy Trinity Catholic Church in Nitro. Walk-ins are accepted. Talk-in on the 40-00 St. Albans repeater.

VIRGINIA

Danville W5YI-VEC
Exams held last Tuesday of each month January through November at Danville Community College, Hill Building. Contact Jim Bond, AB4FZ, (804) 799-2422 for further information.

Roanoke WCARS-VEC
Upgrade Exams Only. Novice Testing on Request from AF2D or W4OLD. (Call for info) Pre-registration is required for following date: May 13, cutoff May 6, 8:00 a.m.. Walk-in exams are held at Hollins College on Sep.22 and Dec.1 at 9:00 a.m. For info, contact Fred L. Horton, KZ4Y, 4024 Oakland Blvd., Roanoke, Va. 24012. (703) 366-6266.

Norfolk, Va. Beach, Hampton Roads, Portsmouth, Chesapeake, Williamsburg
All exams: Walk-ins are ok, but contact person would like to know in advance you are coming. Bring original license and photo copy and any license upgrade certificates. See individual exams for Contact person.

ARRL EXAMS - $4.95 Check payable to ARRL/VEC
W5YI Exams - $4.95 Check to Bill Verebely/VEC for Chesapeake DX Assn Exams, Check to **HRRA/VEC** for Hampton Roads RA exams.

Southeastern Virginia Schedule
HAMP.RDS EXAMS W5YI/VEC-May 19, Aug.11. Bill Runyon, N4BDH, 487-8611.
CHESAPKE DX ASSN EXAMS W5YI/VEC-Jul.14, Bill Verebely, KC4YX, 424-4764.
S.PENINSULA ARC EXAMS ARRL/VEC-Mar.3, Call Ed Brummer, W4RTZ, 898-8031.
WILLMSBRG AREA ARC ARRL/VEC-Apr.7,Oct.13,Andrew Swanson,WJ4X,253-2811.
PORTSMOUTH ARC ARRL/VEC - May 5, Nov.3, Art Thiemens, AA4AT 484-2857.
VIRGINIA BEACH ARC ARRL/VEC-Jun.2,Dec.1, Tom Weikel, KA4UNC 340-7697.
VA. BEACH-ARRL ROA. CONVENTION Sep.16. Ed Brummer, W4RTZ 898-8031.

NORTH CAROLINA

Asheville WCARS-VEC
Exams on Saturday: Apr.28, Jul.28 (Hamfest), and Oct.27. at 9:00 a.m. at Health and Social Services Bldg. Walk-ins normally accepted, except Hamfest, which must register one week in advance. Contact Garland Lance, NC4N, 854 Sand Hill Rd., Asheville, NC 28806 (704) 667-3758.

Asheville WCARS-VEC
Second Saturdays: Mar.10, Jun.9, Sep.8 and Dec. 8. Held at 9;00 a.m. at Leicester Vol. Fire Dept., 9.3 mi. N. of Patton Ave. on Hwy 63. Walk-ins normally accepted. Contact Larry York, WB4PLA, Rt. 4, Box 420 Martin Br. Rd., Leicester, N.C. 28748. (704) 683-1400.

Kernersville TEARC-VEC
First Saturday of each month, contact Bob Gates, KJ4IC, (919) 996-5196. Third Saturday of each month, contact Ray Anderson, AA4LT, (919) 882-3869. Exams for both sessions at 9:30 a.m. at Kernersville Public Library. Fee $4.75. Walk-ins allowed.

Other TEARC-VEC Examiners
LEXINGTON, NC - Contact: Rae Everhart, K4SWN, (704) 249-8734.
WILMINGTON, NC - Contact: Don Conaway, AF4J, (919) 791-9460.
MORE TEARC EXAMS - Contact: Jim Williamson, NQ4T, (919) 841-7576.

Raleigh and Durham
Raleigh ARS and Durham FMA VEs conduct examinations alternating monthly between Durham and Raleigh. Pre-registration generally requested, but walk-ins are accepted until 30 minutes prior to exam time. Contact: AA4MY or KY4Y for further information and schedules.
DFMA - Mar.10, May 12. RARS - Apr.8, Jun.6
(Editor's note: DFMA repeater in Durham is 825-225. RARS machine in Raleigh is 04-64 to assist in getting information.)

GEORGIA

Augusta ARRL-VEC
Exams conducted at Fort Gordon, Bldg. 31424 at 9:00 a.m. 1990 schedule: May 13, Aug.12 and Nov. 11. Contact: Ace Norton, NA4I (404) 798-5060.

Augusta WCARS-VEC
Exams on 2nd Saturday of each Odd numbered month at Sue Reynolds Community Center. Code tests at 10 a.m. Written elements at 11 a.m. Walk-ins normally accepted. Schedule: Mar.10, May 12, Jul.16, Sep.8, and Nov.10. Contact Jim Abercrombie, N4JA, 2360 Travis Pines Rd., Augusta, Ga. 30906. (404) 790-7802.

(Metro Atlanta Area Examinations)
Lawrenceville W5YI-VEC
Exams scheduled 1st Sunday each month at 2:00 p.m. at Jackson EMC, 461 Swanson Rd., Lawrenceville. Fee $4.75. Walk-ins accepted. Contact Duane Reynolds, WB2YAD, 962-9582.

Stone Mountain CA-VEC
Schedule is 2nd Saturday of each month, at 8:30 a.m. at Stone Mt. Methodist Church, 5312 W. Mt. St. Walk-ins accepted. Contact Hal Martin, KI4RD, 469-6430. Fee $4.00.

Southern Tech CA-VEC
Exams on 3rd Saturday each month. Walk-ins accepted. 9:00 a.m., at Southern Tech, Room 209, Classroom Bldg.. (Exit 112 from I-75) Contact Hal Martin, KI4RD, 469-6430. $4.00 fee.

DeKalb County CA-VEC
Walk-in exams held 4th Thursday of the month at 7:00 p.m. at DeKalb Co. East Precinct, Lithonia. Contact Harvey Pearson, WB4PHF, 972-5061. Fee $4.00.

South Atlanta ARRL-VEC
Walk-ins accepted for exams held on 4th Sunday each month at 2:30 p.m. at Church of the Atonement on Highpoint Rd. Contact Neil Foster, KC4MJ, 449-3340. Fee $4.75.

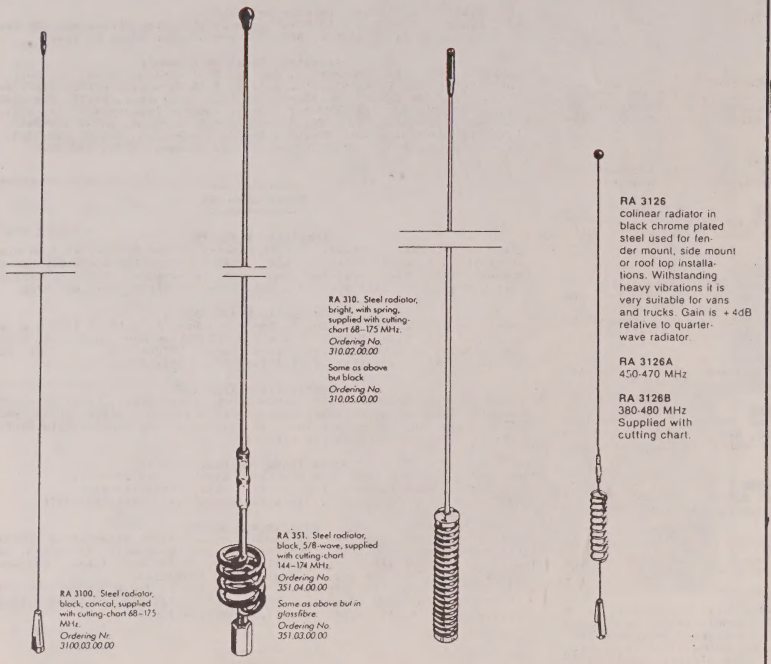
Dalton WCARS-VEC
Exams sked: Feb. 24 at Hamfest, Apr. 28, Jun.30, Aug.25, Oct.27, and Dec.22. Unity Methodist Church at 4:00 p.m. Pre-registration required day before exam. Contact Bert L. Coker, N4BZJ, 1320 Michael Dr., Tunnelhill, Ga. 30755. (404) 673-2214. Alt. Contact, Harold W. Jones, N4OTC, P.O. Box 211, Rocky Face, Ga. 30740. (404) 278-7077.

KENTUCKY

Hazard WCARS-VEC
Examinations usually held on some Tuesdays at 7:00 p.m. at Ray G. Eversole School. Walk-ins normally accepted. For exact dates and additional information, contact John Farler, K4AVX, (606) 436-5354.

Middlesboro WCARS-VEC
First Saturday at 10:00 a.m. of each even numbered month at Middlesboro Library. Apr.7, Jun.2, Aug.4, Oct.6 and Dec.1. Walk-ins normally accepted. Contact Wade Bevins, WA4OBL (606) 337-8165, or alternate James Dyke, KZ8A, (615) 869-4453.

Mobile Antennas



RA 3100. Steel radiator, black, conical, supplied with cutting-chart 68–175 MHz.
Ordering Nr. 3100.03.00.00

RA 310. Steel radiator, bright, with spring, supplied with cutting-chart 68–175 MHz.
Ordering No. 310.02.00.00

Same as above but black
Ordering No. 310.05.00.00

RA 351. Steel radiator, black, 5/8-wave, supplied with cutting-chart 144–174 MHz.
Ordering No. 351.04.00.00

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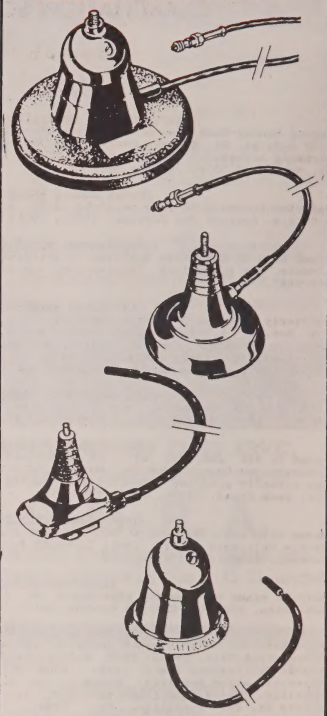
Ordering No. 351.03.00.00

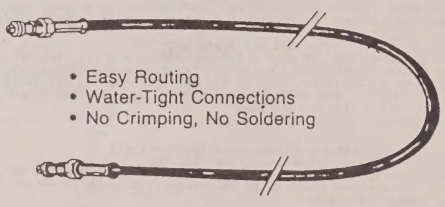
RA 3126
colinear radiator in black chrome plated steel used for fender mount, side mount or roof top installations. Withstanding heavy vibrations it is very suitable for vans and trucks. Gain is + 4dB relative to quarter-wave radiator.

RA 3126A
450-470 MHz

RA 3126B
380-480 MHz
Supplied with cutting chart.

Mobile Bases





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B-215G - 1/4-5W In = 38-165W Out; (List $319) $269.00
B-108 - 1/2-15W In = 8-88W Out; (List $196) $159.00
B-1016G - 1/2-15W In = 12-175Out (List $319) $269.00
B-3016G - 1-45W In = 16-175W Out; (List $369) $249.00
B-3030G - 30W in-300W out; (GaAs Mes Fet) $489.00

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C-3012G - 1-45W In = 8-135W Out; (List $282) $249.00

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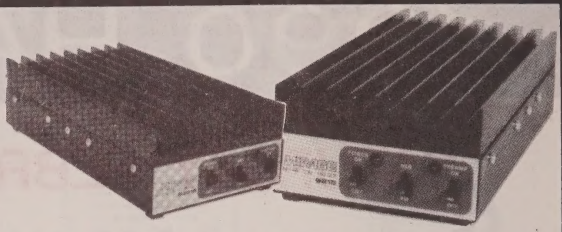

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Coming Events

SERA REPEATER JOURNAL CALENDAR OF EVENTS

FEBRUARY, 1990

10.....Hamfest, PENSACOLA, FL
17-18.....S.Fl.ARRL Conv/Hamfest, SARASOTA, FL
17-18.....Capitol City Hamfest, JACKSON, MS
18.....Hamfest, ELKIN, NC
24.....Hamfest, DALTON, GA
24.....Hamfest, CHARLESTON, SC
24.....Hamfest, BROOKSVILLE, FL
24-25.....Great Lakes ARRL Div Conv.,CINCINNATI, OH
25.....13th Annual Hamfest, FAYETTEVILLE, WV
25.....Vienna Wireless Soc. Winterfest, VIENNA, VA

MARCH, 1990

3.....Swapfest, MORRISTOWN, TN
10-11.....Hamfest, LAFAYETTE, LA
17-18.....Hamfest/Computer Show, CHARLOTTE, NC
17-18.....Swapfest, FT. WALTON BEACH, FL
23-24-25.....Hamcation, ORLANDO, FL
31.....Hamfest/Computer Show, CHARLESTON, WV
Mar.31-Apr.1.....Baltimore Hamboree, TIMONIUM, MD

APRIL, 1990

7.....5th Spring Hamfest, CHESAPEAKE, VA
7.....Hamfest Kennehoochie, MARIETTA, GA
8.....NC State ARRL Conv/RARS Hamfest, RALEIGH, NC
14.....Hamfest, CLARKSVILLE, TN
14.....Hamfest, OAK RIDGE, TN
27-28-29.....Hamvention, DAYTON, OH

MAY, 1990

5-6.....51st Annual Hamfest, GREENVILLE, SC
12-13*.....Hamfest, TOCCOA, GA
13.....30th RVARC Mayfest, ROANOKE, VA
19*.....NW Ark. ARC Hamfest, SPRINGDALE, AR
19-20.....Hamfest, BIRMINGHAM, AL
19-20*.....Andrsn, Hrtwl, Toccoa RC HF, HARTWELL,GA
19-20*.....Hamfest, BATON ROUGE, LA
20.....TSRAC Hamfest, WHEELING, WV
26.....DurhamFest, DURHAM, NC
27.....MD. FM Assn. Hamfest, W. FRIENDSHIP, MD

JUNE, 1990

2.....24th Annual Hamfest, KNOXVILLE, TN
2.....Athens RC Annual Hamfest, ATHENS, GA
2-3.....Clev. ARC Starfest, CLEVELAND, TN
3*.....Hamfest, COLUMBUS, OH
3*.....Hamfest, HUMBOLT, TN
3*.....Hamfest, MANASSAS, VA
3*.....Hamfest, MUNCIE, OH
8-10.....ARRL Nat'l Conv. KANSAS, CITY, MO
9.....Hamfest, WINSTON-SALEM, NC
9-10.....Hamfest, ALBANY, GA
17*.....Hamfest, FREDERICK, MD

JULY, 1990

7-8*..... St.Rad.Counc/Hamfest, JACKSON'S MILL, WV
7-8.....HamFestival, ATLANTA, GA
21.....Summer Swapfest, CARY, NC
21*.....Hamfest, BLUEFIELD, WV
28-29.....WCARS Hamfest, ASHEVILLE, NC
29*.....BRATS Hamfest, TIMONIUM, MD

AUGUST, 1990

4-5*.....Hamfest, JACKSONVILLE, FL
5*.....41st Winchester Hamfest, BERRYVILLE, VA
11*.....Hamfest, PARKERSBURG, WV
11-12*.....ARK-LA-TEX Hamfest, SHREVEPORT, LA
11-12.....2nd High Point RC Hamfest, HIGH POINT, NC
12*.....Central Ky Hamfest, LEXINGTON, KY
12*.....Central ARRL Hamfest, GEORGETOWN, KY
18-19.....SE Div.ARRL Conv/Hamfest, HUNTSVILLE, AL
25-26.....Hamfest, MADISON, GA
25-26*.....Computerfest 89, DAYTON, OH
26*.....Hamfest, CEDARS OF LEBANON, TN

SEPTEMBER, 1990

1-2*.....33rd Annual Hamfest, SHELBY, NC
8-9*.....Hamfest, MELBOURNE, FL
8-9*.....Hamfest, MOBILE, AL
8-9*.....Hamfest, LOUISVILLE, KY
9*.....Foundation AR Hamfest, GAITHERSBURG, MD
15-16..Roa.Div.ARRL/Hamfest-Comp VIRGINIA BEACH, VA
15-16*.....Cincy Hamfest, CINCINATTI, OH
16*.....Hamfest, CLEVELAND, OH
22*.....Hamfest, SPRUCE PINE, NC
23*.....Hamfest, Lanierland ARC, GAINSVILLE, GA
29.....Hamfest, ANNISTON, AL
29*.....TARA, Hamfest, HUNTINGTON, WV
29-30*.....Hamfest, BILOXI, MS
30.....2nd Annual JARSFEST, BENSON, NC

OCTOBER, 1990

6*.....Hamfest, ROME, GA
6-7.....Hamfest, BILOXI, MS
7.....Hamfest, ROCK HILL, SC
13-14....."Memfest '90" Hamfest, MEMPHIS, TN
12-14*.....11th Ham Com-Vention, HOUSTON, TX
13.....Hamfest, W.PALM BEACH, FL
14*.....13th Annual CARA Hamfest, HOWARD CTY, MD
14*.....Hamfest, MAYSVILLE, NC
20*.....1st Annual Hamfest, SMITHFIELD, NC
20.....Tri-Cities Hamfest, GRAY, TN
20-21*.....Central Ga.Hamfest, WARNER ROBBINS, GA
27-28.....Hamfest,CHATTANOOGA, TN

NOVEMBER 1990

3-4*....Ham Radio/Comp.Expo '90, LAWRENCEVILLE, GA
10.....13th Annual Hamfest, MONTGOMERY, AL
10*.....Hamfest, SUMTER, SC
10-11*.....Hamfest, FT. LAUDERDALE, FL
11*.....Hamfest, CONCORD, NC
17-18*.....Suncoast Conv. '90 TAMPA, FL
24-25*.....Hamfest, GREENSBORO, NC

(Please note: Hamfest dates marked with an asterisk (*) are NOT confirmed. Hamfest sponsors are urged to get their correct show dates to the Repeater Journal editor as soon as possible. Unconfirmed dates are based on information from the previous year's show date. The Repeater Journal assumes no responsibility or liability for incorrect dates, whether they be from lack of information, or from typographical errors in typesetting and printing.)

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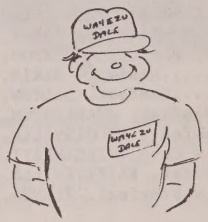

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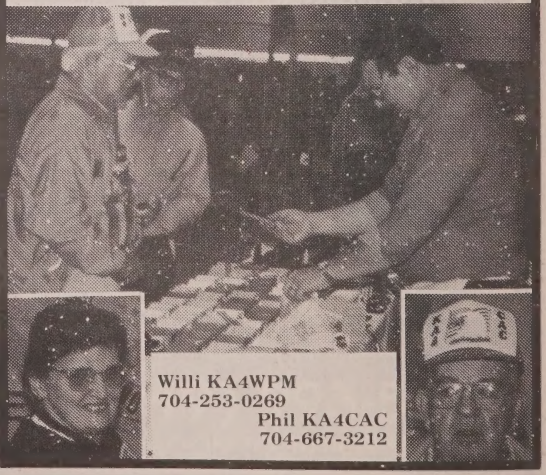

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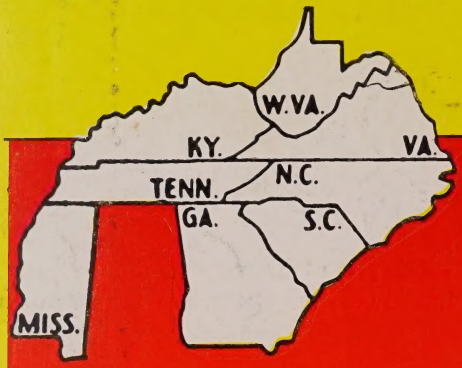

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James H. Larson, WB4KQQ
1386 Randall Drive
Memphis, Tn. 38116
(901) 396-5010

MIDDLE TN. ASST.
Lance Lewis, KI4OG
2317 Deerwood Road
Nashville, Tn. 37214
(615) 885-2597

NORTH CAROLINA

DIRECTOR
Danny Hampton, KM4OX
P.O. Box 272
Garner, N.C. 27529
(919) 832-8733

SOUTH CAROLINA

DIRECTOR
POSITION IS VACANT!
Contact SERA
President For Coordination

GEORGIA

DIRECTOR
Dave Shiplett, WL7ACY
107 Mossy Lake Road
Perry, Ga. 31069
(912) 987-3000

VICE-DIRECTOR
Jim Abercrombie, Jr. N4JA
P.O. Box 5943
Augusta, Ga. 30906
(404)790-7802

ASSISTANT DIRECTOR
Larry Smith, N4FD
P.O. Box 70397
Albany, Ga. 31707
(912) 888-9203

ASSISTANT DIRECTOR
Jack Berry, W4PME
750 Star Light Dr. NE
Atlanta, Ga. 30342
(404) 255-9684

ASSISTANT DIRECTOR
Stu Sims, N4MXC
112 Carol Drive
Cochran, Ga. 31014
(912) 934-9236